FAUST Observations in the Fourth Galactic Quadrant[1]

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ABSTRACT

We analyze UV observations with FAUST of four sky fields in the general direction of the fourth Galactic quadrant, in which we detect 777 UV sources. This is ∼50% more than detected originally by Bowyer *et al.* (1995). We discuss the source detection process and the identification of UV sources with optical counterparts. For the first time in this project we use ground-based objective-prism information for two of the fields, to select the best-matching optical objects with which to identify the UV sources. Using this, and correlations with existing catalogs, we present reliable identifications for ∼75% of the sources. Most of the remaining sources have assigned optical counterparts, but lacking additional information we offer only plausible identification. We discuss the types of objects found, and compare the observed population with predictions of our UV Galaxy model.

Subject headings: UV, stars, galaxies

1. Introduction

There is a general lack of information about the nature of UV sources fainter than the completeness limit of the TD-1 photometric catalog (Thompson *et al.* 1978). This is, primarily, the result of a lack of surveys of the UV sky. Only partial surveys, in limited regions of the sky, have been conducted since the TD-1 mission. One of the more extended, in terms of general sky coverage, was by the FAUST experiment. FAUST is a $\sim 7^{\circ}.6$ instantaneous field-of-view (FOV) telescope, covering the spectral range between 1400 and 1800Å with an angular resolution of 3.5 arcminutes. It has a 20 cm entrance aperture and it utilizes a microchannel plate detector with wedge and strip anode, which records the position of each detected photon. FAUST operated on board the Space Shuttle (STS) Atlantis in March 1992 as part of the ATLAS–1 mission. A description of FAUST and its operation aboard ATLAS–1 was given by Lampton *et al.* (1993). During this flight 19 pointed exposures were obtained, of which three were short exposures for pointing checks. The other fixed-pointing images were exposed for 12 to 18 minutes. In addition, two $\sim 30^{\circ}$ long scans of the sky were obtained by rolling the STS during the exposure. Details of the image reconstruction from the time-tagged photon stream and subsequent reductions are given in Bowyer *et al.* (1993). A catalog of 4660 FAUST sources, originating from the fixed-pointings as well as from the sky scans, was produced by Bowyer *et al.* (1995; FSC). This used a uniform thresholding algorithm for source detection, and the identifications were obtained from correlations against catalogs (mainly from the SIMBAD data base).

The FAUST images are being studied systematically at Tel Aviv in order to identify sources and perform, as much as possible, ground-based follow-up studies. In this context, we already presented results from five images at high Galactic latitude sky regions visible from the Northern hemisphere: the North Galactic Pole (Brosch *et al.* 1995), the Virgo cluster region (Brosch *et al.* 1997), and in the direction of the Coma cluster (Brosch *et al.* 1998). This paper presents our analysis of four FAUST fields in the southern sky. It uses, for the first time, data from an objective-prism survey (the Hamburg-ESO Survey=HES, Wisotzki *et al.* 1996; Reimers *et al.* 1997) to provide additional ground-based spectroscopic information about the possible optical

counterparts.

The UV sources in this part of the Milky Way (MW) may help the understanding of the morphology of the disk and halo of the MW. This is because stellar UV sources represent special stellar populations; the majority are rather massive main-sequence objects with spectral types A & F, as our previous studies have shown. Their study allows us to test the MW structure in four spatial windows. In this region there are indications of bends, corrugations, valleys, and other morphological peculiarities of the Galactic disk (Alfaro & Efremov 1996).

The paper is arranged as follows. We first describe the FAUST observations and the source detection on the UV images. We then describe the process of source identification based on correlations with published data, mainly from electronic data banks. We describe our use of the HES objective-prism plates to confirm or modify our proposed identification. The discussion concentrates on (a) a comparison of the fields which have HES data with those fields lacking this information, and (b) the general properties of the UV sources we detected, in the context of the Fourth Galactic Quadrant in which they are located. One field is located at the border between the Third and the Fourth Quadrant; it is analyzed here as though it is one of the 4th Quadrant fields.

2. The FAUST data and source detection

The regions observed by FAUST, and in which the source identification process has been performed, are listed in Table 1. The FAUST images are shown in Figures 1 to 4, for the Dorado, Centaurus, M83, and Telescopium (hereafter Dor, Cen, M83, and Tel) regions. All four regions are located in, or very close to, the fourth Galactic Quadrant, the part of the MW galaxy which (as seen from the solar neighbourhood) lies between the Galactic center (GC) and $l \simeq 270°$. They are all located at intermediate Galactic latitudes, two north of the MW plane and two south of it. The lines of sight sample, therefore, the disk and halo of the MW at similar "elevation" angles from the Galactic equator and at approximately the same aspect angles with respect to the Galactic

bulge. Therefore, apart from the general interest in source detection and identification, the present observations allow, in principle, an inter-comparison of regions which sample approximately the same MW environments.

Each FAUST image has location-specific exposure levels within the image. The reason is that the Space Shuttle attitude control system permits some platform motion, and the information was collected as a time-tagged photon stream. The images were reconstructed on the ground by tracking relatively bright stars. This implies that during a pointed exposure a larger area of the sky was imaged than the instantaneous FOV of FAUST. Table 1 lists, for each region, the actual sky area covered by each image and the lowest and highest exposure levels, generally collected near the edge and in the central part of the image, respectively. The sky area covered by each image was calculated from the total number of non-zero exposure pixels, and by assuming that each pixel is a square of 1.1 arcmin sides. This is an approximation, because electrostatic distortions of the image caused by the detector causes pixels to have slightly different areas.

An impartial source detector algorithm, described in Brosch *et al.* (1995), operated on the FAUST images and produced lists of UV source candidates with their FAUST UV fluxes and equatorial coordinates. Because of the physical nature of the FAUST frames, the exposure times, and therefore the image depths, differ for different regions in each image. Variations range from a few hundred seconds in the central regions to a few tens of seconds at the frame periphery. This results in regions with reasonably high signal, whereas other regions (with low exposure) have low signal levels. The detector used in FAUST has as only sources of noise the Poisson statistics of photon arrival and detection, and the sky background. As a result, the detection method must be signal-to-noise limited rather than flux-limited. The source detector algorithm used here required an acceptance threshold (AT) level of 5.5 times the standard deviation of the local background (σ_B) to decide that a source was probably real. This was determined by examining the behavior of the number of source candidates with threshold level; the number of possible sources increased exponentially with AT for thresholds lower than 5, but only linearly for thresholds higher than this value. We infer that, if the AT is too low, large numbers of “false” sources are introduced

by the detection method. By adopting a high threshold level one is in danger of losing valuable information. We selected the specific 5.5$\times\sigma_B$ level used here at the inflexion point in the plot of the number of detected sources (N_s) *vs.* AT, where the linear regime and the exponential regime cross over. The total number of sources detected by this method in each field is also listed in Table 1.

The astrometry of the sources' positions is based on a best-fit to the ∼40 brightest UV sources in each field. These were identified in predicted UV images, which were created with data from the SAO catalog and the Hipparcos Input Catalog (HIC), together with the algorithm for predicting the UV magnitude using the visual magnitude and spectral type of stars (Brosch 1991, and further modifications). The fits were usually good to ∼30" and were checked using the derived coordinates of the remaining ∼20 visually identified sources. The photon flux from each detected source was measured by integrating all count rates within a simulated round aperture centered on the location of the object, and subtracting the local background. A round aperture of diameter 12 pixels, equivalent to 13.2 arcmin, was used for the majority of sources except for the very strong sources where a diameter of 24 pixels (26.4 arcmin) was used. This aperture is much larger than the resolution of FAUST and it allows the collections of virtually all the UV photons from a source. The photometric error is composed of the aperture photometry error, that originating from the background estimation, and a systematic error in flux resulting from the laboratory calibration of FAUST and the intrinsic errors of the IUE photometric scale (15.8% of the observed flux). Monochromatic FAUST magnitudes ([UV]=–2.5 log(flux)–21.175) are used here to represent the detected brightness, where the flux is in erg/cm^2/sec/Å and was derived from the count rate of FAUST, as explained in Brosch *et al.* (1995). The photometric error translates to a minimum error of 0.16 mag in the UV magnitude used here.

The lists of UV sources, separate for each FAUST field, are presented in Table 2. Each source is identified by a running number and two leading letters, the second that identifies the FAUST field in which this source was identified. For instance, source FD1 is the first detected UV source in the Dorado (Dor) field, and FM83 in the 83rd source in the M83 field. We give the J2000

coordinates of the sources in columns 2 and 3, the FAUST magnitude and error in column 4, and the corresponding UV source number from the FAUST source catalog (FSC: Bowyer *et al.* 1995), for the cases where the FSC lists a source in column 5.

It is important to emphasize that the source detection algorithm used here is different from the one used in creating the FSC (Bowyer *et al.* 1995). Because of this, a comparison of the number of detected sources listed here and in the FSC is in order. We searched the FSC for all entries within 3' of each of the sources detected here. The corresponding FSC number is listed in Table 2 for all entries where a match was found. In a few cases more than one match was found. This was usually due to the proximity of another source and the "ownership" was resolved by visually inspecting the UV image. For three sources, all in the M83 field, Bowyer *et al.* (1995) detected two components, while we detected only one. The vast majority of the FSC detections have matches in our lists. In the three other fields (Dor, Cen, and Tel) most FSC sources undetected by us are all very faint and remained unidentified in the FSC. They could be artefacts, but there is one exception: FSC4623 = SAO193381 in the Tel field, apparently a bright UV source, whose presence we could not confirm with our detection technique.

A comparison for the M83 field is problematic due to the overlap of one of the FAUST scans with the pointed M83 exposure. Nevertheless, the number of FSC entries for the M83 region not detected here is small; ten such entries were found within $3^{\circ}.4$ of the M83 image center. This number does not include the three cases where the FSC showed two adjacent entries for only one source detected here. In these cases we included both FSC numbers in the lists, but caution that this may be due to a single object having slightly different FSC astrometric solutions, from the scan and from the fixed pointing. Since almost all of the ten other "undetected here" M83 FSC entries have either nearby detected sources or are very close the edge of the image, we conclude that they originate from the FAUST scan, not from the pointed observation. We estimate the number of FSC sources we did not detect and which originate from the M83 fixed exposure to be at most five. Table 3 summarizes this comparison of results and emphasizes the significant addition of UV sources to those in the FSC by using the present detection algorithm. On average,

FSC sources make up only 2/3 of the UV sources detected by us. Therefore, with our detection scheme we increased by ∼50% the number of FAUST UV sources in comparison with the FSC.

Figure 5 shows histograms of the UV magnitude distribution in each of the four fields. In general, all fields show a steady increase in the number of detected sources with increasing apparent magnitude, but there are some subtle differences. The Cen field, which is at the lowest Galactic latitude, has many more sources than the other fields. On the other hand, the source distribution with UV magnitude in the Cen field starts to become incomplete already at $m_{UV} \simeq 11$, approximately 1-2 magnitudes brighter than in the three other fields.

One important feature is noticeable by even a cursory inspection of Table 1, which gives the total number of detections along with the location of each image and its depth. The M83 image has almost the same number of detections as has the Tel field, yet the two images differ by a factor of $\sim 3\times$ in exposure depth, with the Tel field being shallower. The discrepancy cannot be due to a higher stellar concentration in Tel, because there are no (listed) star clusters in this direction and the galactic latitudes of the two fields are almost identical. This will be discussed further, below.

3. Source identification

3.1. Using catalog correlations

The primary identification used on-line data bases, such as the SAO catalog (SAO 1966), the Hipparcos Input Catalogue (Turon *et al.* 1993), the Tycho catalog (ESA 1997), and the NED [4]. The identification criterion was the angular distance: the nearer an object is to the calculated UV source position, the more likely it is to be the actual counterpart. Additional constraints were imposed on a physical basis. The bluer an optical candidate, the more likely it is to be the

[4]The NASA/IPAC Extragalactic Database (NED) is operated by the Jet Propulsion Laboratory, California Institute of Technology, under contract with the National Aeronautics and Space Administration.

real counterpart. The spectral type of the object, if it was listed in the catalog source, was an important input to the determination of the accepted counterpart. Sources for which no physical properties could be found were correlated with Guide Star Catalog (Lasker, Jenkner, & Russell 1988) objects, if such could be found in the neighbourhood of a source.

The remaining identifications were extracted mainly from the first edition of the US Naval Observatory two-colour catalog (USNO-A1.0, hereafter USNO: Monet *et al.* 1996). This catalog is based on scans of the Palomar and ESO/SERC Sky Survey blue and red Schmidt telescope plates. The absolute scale of the blue and red magnitudes is not accurate, but a "local" comparison of colours between a number of candidates for the same UV source is useful for identifying the bluest and brightest object, which is most likely to be the counterpart of the UV source. The second version of this catalog (USNO-A2.0[5]: Monet *et al.* 1998) has improved astrometric positions and photometric calibration and was used to check a few problematic sources. The photometric improvement is based on the B and V magnitudes of the Tycho catalog for the brighter objects and on CCD observations of standard stars for some sky regions. However, the final reported photometric accuracy (0.15 mag internal error and up to 0.5 mag due to systematic effects) is not much better that that of the A1.0 version of the catalog. The USNO catalog, whose candidates are designated by a "USNO" prefix in the lists, contains both stellar and non-stellar sources.

On completing the identification process and analyzing the results, a few (<10 for all four fields combined) fairly strong sources, all very near the edge of the images, remained unidentified. As these are relatively strong UV sources they are very probably not artefacts, and a special effort was exerted to identify them. An additional search in the Tycho catalog, using a search radius of 5 arcmin, produced good identifications for most sources with optical counterparts located within 3-4 arcmin of the UV source. Analysis of other identified sources in the same vicinity showed that a systematic positional error appears sometimes at the edge of the images. This is presumably due to the electrostatic distortions being the greatest at the edges of the detector, and not having

[5]http://vizier.u-strasbg.fr/cgi-bin/VizieR?-file&-source=USNO2

enough pre-identified stars in these locations as input for the astrometric solution used to compute the celestial coordinates. These additional identifications have been included in the lists shown in Tables 2 and 4.

The entries of Table 4, which reports the identifications, repeat the source identifier used here in Table 2 column 1, give a leading catalog identifier for the proposed counterpart (column 2), its V-band magnitude (or B-band, in some cases) in column 3, a note on its spectral type if it is a star or on its morphological classification if it is a galaxy (column 4), its listed B-V colour (or B-R, in some cases) in column 5, and the candidate's celestial position in columns 6 and 7. All positions reported here are for J2000.

3.2. Using data from the Hamburg-ESO Survey

The HES (Wisotzki *et al.* 1996) is an objective-prism survey aimed at detecting bright QSOs. It was performed with the ESO Schmidt telescope using IIIa-J plates and a 4° objective prism. The plates have a resolution of 15Å at Hγ (seeing-dependent) and cover the range 3200Å to 5400Å. The celestial area covered by the HES is mainly in the extragalactic sky, roughly above |b|=30°. Because of this sky coverage limitation, two of the FAUST regions analysed here could not be compared with the HES data sets. In particular, we limit the discussion of the objective-prism spectra to the fields of M83 and of Dorado, as the other two regions have a galactic latitude too low to be included in the HES.

The HES plates were scanned on the Hamburg PDS with a $30{\times}30\mu m^2$ aperture, and spectra were automatically extracted using object detection on the Digitized Sky Survey. Each spectrally observed candidate has, therefore, an astrometric solution good to $\sim$2 arcsec and a linearized spectrum (using the plate sensitometric relation) covering the range of the HES objective-prism plates, which is $\sim$300 pixels long. On average, $\sim$75% of the spectra do not show overlap with other neighbouring spectra and can be used to verify or revise the classification and assignation of an optical candidate to a FAUST UV source.

The search for optical counterparts on the HES data set was done by LW in early-November 1998. A search in a region 3 arcmin wide around each FAUST source was performed and the candidates were extracted and examined by NB. In a number of instances, the candidate optical object was so bright as to cause partial or even full saturation of the objective-prism plate. For several cases, the spectral information allowing a rough classification could be recovered using additional scan lines from the two-dimensional scan data. We could thus use the Balmer absorption lines and the 4000Å Ca II break as classifier criteria in objects as bright as B≈9.5.

An optical candidate was accepted as the probable counterpart of a UV source if it:

1. was the brightest source,
2. was the nearest source,
3. showed strong Balmer absorption lines,
4. showed a significantly strong blue-UV "tail" of the spectrum

Not all these conditions had to be fulfilled simultaneously for a source to be accepted as a counterpart. We are aware that these may seem to be subjective criteria, but adopt them here in absence of a systematic spectral classification of all HES spectra. An example of the output produced from the HES plates for this search of optical counterparts, one page of the many produced for the various candidates and inspected by us, is shown in Figure 6. Three objects are displayed in this figure; the bottom one is source FM 31 identified as a new sub-dwarf star. The various entries for each candidate include the number of the ESO-Schmidt plate on which the object appears, various classification parameters, the image of the field from the Digitized Sky Survey with the candidate object centered, and two representations of the objective-prism spectrum, one at full resolution (centered) and another binned to low resolution (to the right). The strong blue tail, indicative of a very hot object, is evident for candidate HE1342-2728=FM 31.

The HES plates yield also blue (B_J) magnitudes, from the blue part of the spectrum and a calibration against standard stars (Vanelle 1996). The calibration is good to ∼0.2 mag provided

that the spectrum is not overexposed ($B_J \geq 11.5$). In principle, it is also possible to determine the U–B and B–V colour indices of the candidates from the spectra, using a calibration of spectral slope against colour indices; however, here one has to guard even more carefully against chance partial spectrum overlap.

We emphasize that the assignation of optical counterparts in the Dor and M83 fields was done in a completely independent way from the assignments based on catalog correlations. In most cases, the HES spectra confirmed the original catalog selection of a counterpart. The counterparts selected from the HES spectra are listed in Table 4 if they were "better" than those originally selected using catalog correlations, or if they offered the choice of a single counterpart, when the catalog searches yielded a number of optical sources in the same error ellipse. The HES sources can be recognized by the HE prefix identifier and by the approximate spectral type, derived from the visual inspection of the spectrum tracing.

Note that in many cases the location of the UV source on the HES contains no object with a spectrum which could be associated with the FAUST source. In the Dor field 37 UV sources had no such HES counterpart. In a number of cases, we could not solve the question of the proper counterpart, even using the HES data. In such cases we reverted to the USNO catalog (version A2.0) and selected the best counterpart to be the nearest and bluest listed object, and this is the entry adopted for Table 4.

4. Results

In this section we summarize results from the detection and identification process, including the confirmatory or enhancing results with the HES spectra using the data from Table 4. The summary, which splits the source identification into three broad classes (extragalactic, stars, and unknown) is given in Table 5. One item stands out immediately, that is the low number of "unknown" sources in the Dorado and M83 fields. In these two FAUST fields the percentage of such sources is 19% and 5%, respectively, while it is ∼30% in the other two fields.

The only difference between the first pair of fields and the second is that for Dor and M83 we used the additional information from the HES survey. This indicates that using the HES resource we could classify (in broad spectral types) an additional ∼15% of the FAUST UV source, some of which belong to the interesting "hot, evolved" stellar variety. In this context, an important statistic is the number of such sources (sub-dwarfs and white dwarfs) counted in each field. Whereas the images without HES data have extremely few such sources (one in Cen and none in Tel), the other two fields contain significantly more sources (nine in Dor and five in M83). This emphasizes the importance of additional spectral information in untangling the nature of the (optically faint) hot UV sources.

4.1. Comparing with predictions

A comparison of the detected and identified stars with the predicted number of stars, using the updated model of the UV galaxy of Brosch (1991). The original model uses the Bahcall & Soneira (1980) predictor routines, where the Milky Way is approximated as an exponential disk and a bulge, each with its own luminosity function. The extinction by dust is treated by assuming a slab-like distribution of dust along the Galactic equator with an exponential scale height above the disk. The Bahcall & Soneira model yields predictions for optical bands, and it has also been extended to the near-IR. The UV application of this model uses an optical-to-UV transformation for stars based on their colours. This was derived from IUE observations and was extended to late-type stars using Kurucz (1991) model atmospheres. In addition, the UV predictor model includes the Gould belt, and a thick disk of white dwarfs with the scale height determined by Boyle (1989).

The comparison of the observations with the model predictions is shown in Figures 7 and 8. We show there the distribution of the differential star counts (number of stars per UV magnitude) vs. the model predictions in the left panels, where the actual star counts are represented by squares with error bars derived from Poisson statistics. The right-hand plot for each region corresponds to the distribution of colours. To produce this, we deleted from the star list those objects classified

as “hot evolved stars”, such as hot WDs and sd’s, based on the catalog information or on data extracted from the HES spectra, because they are not predicted well by our model. We also deleted all the extragalactic objects, which are not included in the predictor model.

Our model predicts the star numbers and magnitude distributions per square degree, and the predicted colour distribution depends on the faint magnitude cutoff. The fainter this cutoff, the redder is the peak and the median colour of the stellar distribution. Allowing fainter stars in the calculation of the colour distribution brings in more red objects than blue ones, driving the total distribution to the red. The actual cutoff in a specific FAUST exposure is location-dependent. This is because the exposure depth is shallower the closer an object is to the edge of the FAUST image, the part of the area with the low exposure time. For this reason, we adopted the following strategy when scaling the predictions to the “effective area” surveyed:

1. We selected a magnitude cutoff for the colour prediction at 70% of the peak in the magnitude distribution. That is, we set the cutoff to a fainter magnitude than the peak of the magnitude distribution of the specific field, at the (interpolated) magnitude level where the stellar magnitude distribution reached 70% of the peak value.

2. We decided on a scaling constant from the “per square degree” prediction of the model and the real star counts in **both** the magnitude and colour distributions using the total number of stars detected to be brighter than or equal to m_{UV}=11 [N($m_{det} \leq 11$)] and the similar number of stars, brighter than 11 mag, predicted by the model [N($m_{pred} \leq 11$)]. The ratio of these values was used to scale both the magnitude distribution prediction and the colour distribution prediction.

3. The actual detected distributions, and those predicted by the model and scaled as explained above, are shown in Figures 7 and 8.

In deriving the UV-V colour of an object we used the magitude of the counterpart as listed in Table 4. In many cases, this is the USNO catalog “blue” magnitude, which may be substantially

different from the actual V magnitude of the objects. However, we estimate that this is a random error, which will only increase the scatter of the results but will not introduce a systematic bias, as most of the stars that have spectral types tend to be A and F, which have small B–V values.

The results, shown in Figures 7 and 8 for the four fields, indicate that the procedure is valid and that the predicted stellar populations, as well as the general colour distributions, correspond to those actually observed. We emphasize that, while the choice of the scaling factor seems arbitrary by using the total number of stars to 11 mag., the use of the same constant for scaling the colour distribution is a constraint, and the subsequent reasonable fit represents an independent confirmation of this procedure.

The possible sources of discrepancy between the model predictions and the actual measurements are presumably stars that are too blue in the UV than the model is able to predict. Such stars are, for example, hot evolved objects that are not included in the model. The discrepancy is emphasized by the trend of the plots in the right panels of Figs. 7 and 8 to under-predict the observed colour distribution at the blue end. This indicates that probably there are more hot evolved stars among those observed by FAUST than revealed by the spectroscopic classification. The assumption is supported by the size of the under-prediction: the discrepancy is higher for the two fields where we do not have HES spectroscopic data than in the two fields with such data. This finding indicates that collections of UV observations have the potential of enlarging the samples of such objects, with obvious influences on our understanding of the structure and evolution of the Milky Way.

4.2. Checking the extremes

In this section we discuss those stellar sources classified as either hot evolved stars (sd's, WDs, etc.), or as red stars (K0 and later), which represent the hot and the cold extremes of the stellar distribution. It is noticeable that of 24 such objects in the four FAUST fields treated here, only two are in a image for which we have no HES information. This demonstrates, again, the

value of ancilliary spectral information from which we extract the special-interest objects.

We identified 15 stars as hot evolved objects, mostly in the Dor and M83 fields. These are relatively faint UV sources, with a median magnitude of 11.44, and with very blue colours (median UV-V, or UV-B=–3.65) that imply rather faint optical magnitudes. The optical faintness explains the lack of spectral information; only wide-field surveys using multi-band colours or an objective prism could have picked these objects out. Most are sdO, sdB, or sdA, but one (FC 89) is classified sdF2 and is indeed very red, with UV-V=3.94. This is a high proper motion star, as expected of a subdwarf. The source with the most negative colour index is FD 46, with UV-V=–5.03.

We searched the lists of objects for those with extremely blue UV-V colours ($\leq$–4) and found very few of these. Specifically, we detected three such stars in the Dor field, three in Cen, seven in M83, and two in Tel. Six of these are classified in SIMBAD or by us as sub-dwarfs, one is an emission-line galaxy, and for the rest we do not have information beyond the identification with a star-like object and a rough optical magnitude. It is possible that most are also hot sub-dwarfs or binary systems containing hot, evolved stars, and spectroscopic follow-ups are necessary to clarify this point.

There are 10 objects classified K0 or later in the four FAUST fields. As expected of red stars, their UV-V colours are in general large and positive. The colour indices are, though, much bluer than could be expected from the effective temperature which corresponds to their spectral type. The variations of the colour index within the same allocated spectral type are considerable; among four K2 stars the spread of UV-V is more than 5.5 mag! Normally, K stars are expected to have UV-V$\approx$3.2-7.4, but some stars in this class are more UV-bright than this, presumably because of some form of coronal activity (see *e.g.,* Jordan *et al.* 1987), or because of the presence of a hot secondary.

One object, FM 81, is classified as a M0 star with an expected UV-V$\approx$9.45 colour, yet it shows an almost nil colour index. Checking with SIMBAD, we find this star to be RW Hya, a well-known symbiotic system consisting of an M2 giant and a $\sim$80,000K WD (Kenyon & Mikolajewska 1995). This demonstrates the advantage of a wide wavelength base, from the UV to

the optical, with which to identify potentially peculiar objects. Another one, FC 168, is an M3III star with UV-V=+5.4, while we expect for such an object UV-V=+9.67. Although there are no indications in SIMBAD of any peculiarity concerning this star, it is likely that this is yet another binary system, with a hot component responsible for the UV excess.

We remarked in earlier papers that metallic-line A stars (Am) appear fainter in the UV than their regular counterparts. The present study is particularly useful to check this behavior because it yielded a relatively large stellar sample. Table 4 lists six Am stars (earlier than A5) and one late-Bm star. These are plotted as filled squares in the colour-colour diagram shown in Figure 9. The comparison is done with regular A stars from the same FAUST images. The A0 stars are plotted as circles and the late-A stars (A7, A8, and A9) are plotted as filled triangles. We added the reddening vector assuming the standard Savage & Mathis (1979) relation as a vector for E(B-V)=0.2 to demonstrate that the discrepancy could not be due to reddening by a standard Milky Way extinction law.

It is clear that the Am stars are UV-deficient in comparison to most of the A-type regular stars, including the latest A stars (A9). This deficiency has been noted before (*e.g.,* by van Dijk *et al.* 1978) and is presumably due to line blanketing of their spectral energy distributions. Note though that the study of van Dijk *et al.* , and others dealing with the issue of UV deficiency of A stars, concentrated mostly on Ap objects rather than on Am stars. In principle, this points a way to use the property of these A stars to be less UV-bright than expected from their rough optical spectral classification, to identify possible candidate Am (or Ap) stars from among those objects in our four fields for which we found spectral classifications. The requirement is for good UV and optical photometry of the candidate objects, which should have been previously classified as A stars.

5. Galaxies

Fifty-four objects in Table 4 have been identified as extragalactic objects. In two instances two optical counterparts could correspond to specific UV sources; the extragalactic ones are listed in Table 6.

As seen in previous cases, FAUST detected more UV flux than IUE in the few instances where such observations are available. In the case of NGC 5253, the IUE spectra yield monochromatic UV magnitudes of [1482]=11.03 and [1913]=11.39, whereas FAUST measured 9.89±0.19 mag. The IUE measurements refer to "standard" bands in the SW spectral range, centered at the listed wavelengths. This discrepancy between FAUST and IUE is undoubtedly the result of measuring a large object with a small aperture. For NGC 5236=FM 83 the FAUST magnitude is 7.92±0.17 whereas IUE measured [1482]=10.48 and [1913]=10.82. NGC 5135 has [FAUST]=13.84±1.01 and [1482]=13.94 and [1913]=13.87, presumably the result of most of the UV emission being produced in the "composite" Seyfert 2+starburst compact nucleus (Phillips *et al.* 1983). The amount of UV flux external to the IUE aperture may be quite significant in some cases.

Among the more interesting extragalactic objects detected by FAUST in these four fields we note M83 (source FM 70), a starburst galaxy in which no less than six supernovae were discovered in a period of 60 years. A similar case is Tol 34 (source FM 181), which contains a starburst and a Sy 2 nucleus. Some interacting galaxies appear as UV sources: the compact group of NGC 6845 with four peculiar spirals is such an example. Unfortunately, the angular resolution of FAUST is not sufficient to show which of the objects is the UV source. This group would make an interesting target for a future UV imaging observation.

We detected nine UV-emitting galactic nuclei, of which six were identified from the HES spectroscopic data. One of the more interesting such sources is the optically-violent-variable BL Lac object EUVE J2009-48.8 (source FT 34). Ours is the first listed UV measurement of this object, which has been detected in γ-rays and Xrays, as well as in the EUV range. Note that the UV-V colour index we measure is based on the optical magnitude listed in the NED. Because

of the intrinsic variability of a BL Lac object, the real colour index may be different from the "instantaneous" one.

Note also the detection of the cD galaxy ESO 444-G046, the largest in the cluster Abell 3558, as a FAUST UV source. This object has a neutral colour index, UV-V≈+0.06. One other object detected by FAUST could belong to the same cluster: this is source FM 185, a star-like object listed only with its GSC number but which showed emission lines in HES spectra and appears almost star-like on the blue plates of the HES. The object was classified by us as an "emission-line galaxy" (ELG). The colour index exhibited by this galaxy is one magnitude bluer than that of the cD galaxy. The ELG is apparently part of a chain of larger galaxies in the cluster, extending from north-west to south-east. Lacking a redshift, the assumption that this galaxy is a member of the A3558 cluster remains to be proven.

5.1. FAUST and the Galactic structure

We remarked above on the puzzling discrepancy in the source count between the M83 and the Tel areas. Briefly, the discrepancy is that these two sky regions, at almost identical |b|, have approximately the same number of UV sources but one (M83) has three times more exposure than the other. The puzzle only deepens when we consider the normalized source count, that is, the projected source density.

We first define a representative projected source density for a field i as $\sigma_i = \frac{N_{sr}}{A}$, where N_{sr} is the number of sources brighter than m_{UV}=11 detected in the specific field, and A is the angular coverage obtained by FAUST and listed in Table 1. This magnitude cutoff makes it likely that we are not missing sources that bright even in the image with the shortest exposure time (280 sec for the central region of the Tel image), as indeed the source detection histograms in Fig. 5 show.

Comparing the four values of $\sigma_i^* = \sigma_i \frac{T_{Tel}}{T_i}$, where T_i is the exposure time for the image of area i, we find that the Tel regions has a $\sigma^* \approx 4.5\times$ higher than the three other regions, which have almost identical σ^* values. The Tel region appears to have many more UV sources that it

is "entitled" to have, given its projected sky area and depth of exposure. The discrepancy can **not** be explained by the Galactic model. The modified Bahcall-Soneira predictions appear to fit reasonably well both the colour and the magnitude distributions of UV sources.

One possibility is that the Tel region contains even more of the hot, evolved stellar types than do the other three regions. This could, in a way, be understood when considering the pointing direction: the line-of-sight to the Tel region grazes the bulge of the Galaxy whereas the three other images have wider separations from the Galactic Center. If the excess of UV sources in the direction of Telescopium would be due to hot, horizontal-branch stars in the bulge, these would appear as the sources near the faint completeness limit of the FAUST exposure. We estimate this from the colours and magnitudes of zero-age horizontal-branch models listed in Table 2 of Mould *et al.* (1996) and from a Galactocentric distance of 8 kpc.

Another possibility could be for the M83 region to have, for some reason, more extinction than the Tel area. We checked this using the stars identified as A0 in Table 4. There are 15 such stars in the M83 frame and 11 in the Tel image. The mean B–V values are 0.09±0.10 and 0.06±0.07, respectively. The mean UV–V values, on the other hand, are 0.68±1.06 and –0.16±77, respectively. The difference between the mean B–V values of the two regions could imply an expected difference in the mean UV–V values of ∼0.15, assuming the wavelength dependence of the extinction as in the "typical" galactic law (*e.g.,* Savage & Mathis 1979), whereas we measure Δ(UV–V)≈0.84. This could be the case if the slope of the extinction law would be steeper in the FAUST-observed regions than the Savage & Mathis relation, and is supported also by the slope of the UV–V *vs.* B–V relation for all the A0 stars in Table 4. The 43 objects have a regression slope of 6.36±1.29, whereas the Savage & Mathis relation indicates a slope of 4.9. A steeper dependence of the UV extinction may be an indicator for the presence of smaller dust grains than encountered on average in the Milky Way. We note this as a possibility, but do not explore it further in this paper.

6. Conclusions

We presented FAUST UV observations in four sky area, mostly in the fourth Galactic quadrant. Our detection algorithm identified 777 UV sources in these regions. We identified the sources with optical counterparts mainly through correlations with catalogued object, and succeeded in increasing the number and quality of identifications by including objective-prism spectra. The stellar objects detected and identified in this program fit reasonably well our model of the UV Galaxy. We discussed the more interesting stellar and extragalactic sources, and pointed out that the Tel area may contain horizontal branch stars on the outskirts of the Galactic bulge.

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Figure captions

Fig. 1.— The FAUST image of the Dorado field, corrected for vignetting and effective exposure times, are shown as grey scale images where the scaling is from the count rate.

Fig. 2.— The FAUST image of the Centaurus field, corrected for vignetting and effective exposure times, are shown as grey scale images where the scaling is from the count rate.

Fig. 3.— The FAUST image of the M83 field, corrected for vignetting and effective exposure times, are shown as grey scale images where the scaling is from the count rate.

Fig. 4.— The FAUST image of the Telescopium field, corrected for vignetting and effective exposure times, are shown as grey scale images where the scaling is from the count rate.

Fig. 5.— Distribution of UV magnitudes (in the FAUST band) for the four FAUST fields. These histograms show all the detected sources, with no attempt to separate stars from galaxies. We label the horizontal axis, which represents the UV magnitude, as "FAUST" to emphasize that these are monochromatic magnitudes in the FAUST band, as explained in the text.

Fig. 6.— An example of the output produced from the HES plates to serve the search for optical counterparts. The page shows three objects: HE1342-2736, HE1342-2735, and HE1342-2728. the latter is the chosen counterpart for the UV source FM 31, and the HES spectrum identifies it as a hot sub-dwarf.

Fig. 7.— Distribution of UV magnitudes and colours for the Dor and Cen fields, compared with the predictions of our Galaxy model. The objects depicted here are only those not identified as extragalactic objects or as hot, evolved stars (sd's or WDs).

Fig. 8.— Distribution of UV magnitudes and colours for the M83 and Tel fields, compared with the predictions of our Galaxy model. The objects depicted here are only those not identified as

extragalactic objects or as hot, evolved stars.

Fig. 9.— Regular and metallic-line A stars in a colour-colour diagram. The Am stars are represented by filled squares. The normal A0 stars are plotted as empty circles and the normal A7-A9 stars are represented by filled triangles. The vector originating from the (-0.1, -1) corner represents the trajectory of a point produced by reddening with E(B-V)=0.2 mag, using the Savage & Mathis (1979) Galactic extinction law.

Table 1. FAUST fields analyzed in this paper

Name	α(J2000)	δ(J2000)	l	b	Exp.(sec.)	Coverage (deg^2)	N_s	N(m$\leq$11)	Cutoff
Dor	04 15 36	-56 04 12	266.0	-43.7	200-610	60.5	142	58	12.7
Cen	12 47 24	-40 46 12	302.1	22.1	300-1100	62.0	249	129	12.5
M83	13 34 48	-28 45 00	314.3	33.2	250-850	60.1	197	81	13.0
Tel	20 11 38	-47 06 00	352.5	-32.8	100-280	52.6	189	105	12.35

Note. — The exposure times listed are for regions close to the border of the image, and at the image center where the exposure is deepest. N_s is the total number of sources detected in the specific image, N(m$\leq$11) is the number of stars that are not known to be hot, evolved objects, and the column labeled "Cutoff" gives the magnitude at which the number of stars per magnitude bin drops to 70% of the peak.

Table 2. Detected UV sources

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FC 1	12 47 36	-37 23 22	11.85	0.40	3466
FC 2	12 55 45	-37 17 35	11.26	0.32	3574
FC 3	12 40 22	-37 51 52	7.99	0.17	3350
FC 4	12 56 32	-37 39 28	11.75	0.29	3580
FC 5	12 41 54	-37 53 32	10.07	0.21	3378
FC 6	12 42 37	-37 54 09	11.30	0.23	3392
FC 7	13 03 21	-37 44 39	10.73	0.29	3654
FC 8	12 56 50	-37 57 31	12.19	0.36	3584
FC 9	12 52 21	-38 02 20	13.23	0.76	3538
FC 10	12 53 32	-38 03 43	12.56	0.45	3548
FC 11	12 38 03	-38 15 09	11.50	0.33	3304
FC 12	12 49 58	-38 18 24	12.36	0.39	3510
FC 13	12 43 48	-38 20 52	11.85	0.34	3410
FC 14	12 48 21	-38 22 30	11.40	0.25	3481
FC 15	12 39 42	-38 24 46	11.98	0.37	3333
FC 16	13 04 38	-38 23 54	9.39	0.19	3665
FC 17	12 39 09	-38 44 46	10.08	0.20	3317
FC 18	12 34 51	-38 49 43	10.39	0.23	3253
FC 19	12 59 41	-38 42 32	8.81	0.17	3614
FC 20	12 47 45	-38 51 16	10.49	0.20	3467
FC 21	12 45 27	-38 51 25	11.19	0.24	3434
FC 22	13 00 35	-38 44 38	12.24	0.28	3631
FC 23	12 58 01	-38 55 04	7.48	0.16	3599
FC 24	12 40 19	-39 02 42	13.07	0.83	3346
FC 25	12 51 54	-38 58 24	13.58	0.92	3526

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FC 26	12 31 48	-39 13 14	10.70	0.30	3208
FC 27	12 52 43	-39 03 40	12.16	0.40	3542
FC 28	12 58 53	-39 06 28	6.73	0.16	3608
FC 29	13 03 37	-38 58 24	10.58	0.20	3657
FC 30	12 57 11	-39 06 51	10.80	0.22	3587
FC 31	13 01 04	-39 03 05	11.79	0.30	3633
FC 32	12 36 10	-39 22 40	12.51	0.58	3276
FC 33	12 58 01	-39 16 06	9.85	0.18	3600
FC 34	12 50 26	-39 26 33	10.94	0.25	?
FC 35	13 00 40	-39 17 38	11.67	0.27	3629
FC 36	12 58 12	-39 22 23	11.24	0.20	3601
FC 37	12 53 46	-39 29 10	10.85	0.22	3553
FC 38	12 39 18	-39 39 35	9.89	0.22	3320
FC 39	12 52 01	-39 41 41	5.23	0.16	3529
FC 40	12 49 09	-39 43 25	5.82	0.16	3498
FC 41	12 35 58	-39 52 00	5.22	0.16	3271
FC 42	12 44 12	-39 46 12	9.60	0.18	3420
FC 43	12 39 53	-39 58 08	5.42	0.16	3338
FC 44	12 42 08	-40 04 42	10.66	0.26	3386
FC 45	12 43 26	-40 10 42	8.47	0.17	3407
FC 46	12 53 25	-40 11 10	6.04	0.16	3545
FC 47	12 31 29	-40 16 34	10.63	0.24	3198
FC 48	12 49 41	-40 13 26	12.30	0.46	3507
FC 49	13 03 33	-40 14 59	12.64	0.40	3655
FC 50	12 40 21	-40 37 31	10.91	0.24	3348

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FC 51	12 49 12	-40 37 58	10.12	0.19	3501
FC 52	12 34 13	-40 49 54	11.17	0.24	3245
FC 53	12 48 40	-40 42 36	12.77	0.32	3486
FC 54	12 59 07	-40 37 53	11.85	0.33	3610
FC 55	12 51 35	-40 44 18	13.81	1.04	3524
FC 56	12 35 46	-41 01 15	6.94	0.16	3270
FC 57	12 46 54	-40 53 27	11.60	0.27	3458
FC 58	13 04 47	-40 42 34	11.85	0.30	3666
FC 59	12 52 31	-40 56 22	10.71	0.21	3539
FC 60	12 59 55	-40 52 40	9.57	0.18	3619
FC 61	12 45 15	-41 02 35	13.06	0.57	3431
FC 62	13 07 39	-40 45 59	12.50	0.49	3680
FC 63	12 38 19	-41 12 22	9.76	0.19	3308
FC 64	12 44 40	-41 13 17	12.85	0.52	3429
FC 65	12 51 01	-41 15 06	10.22	0.18	3519
FC 66	12 33 35	-41 25 24	8.87	0.17	3232
FC 67	12 52 16	-41 19 40	8.01	0.16	3536
FC 68	13 10 37	-40 56 50	11.09	0.28	3702
FC 69	12 31 32	-41 31 47	10.15	0.21	3199
FC 70	13 02 40	-41 13 42	11.58	0.26	3648
FC 71	12 47 50	-41 28 01	12.58	0.43	3470
FC 72	12 59 55	-41 23 11	11.04	0.22	3620
FC 73	12 43 14	-41 36 15	11.97	0.35	3403
FC 74	13 08 15	-41 23 05	9.00	0.17	3684
FC 75	13 04 01	-41 24 09	12.65	0.44	3662

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FC 76	12 50 25	-41 42 59	11.24	0.26	3516
FC 77	12 59 14	-41 36 27	8.94	0.17	3611
FC 78	12 39 26	-41 50 48	9.57	0.18	3328
FC 79	13 05 00	-41 30 41	14.48	2.02	3667
FC 80	12 33 50	-41 57 49	11.24	0.28	3239
FC 81	12 30 29	-41 57 11	11.05	0.27	3185
FC 82	12 50 25	-41 54 09	10.20	0.20	3515
FC 83	12 37 24	-42 01 19	12.22	0.36	3292
FC 84	13 03 01	-41 46 57	10.48	0.20	3651
FC 85	12 56 46	-41 55 04	12.09	0.38	3582
FC 86	12 44 19	-42 05 35	12.70	0.50	3422
FC 87	13 01 06	-41 58 55	11.48	0.26	3634
FC 88	12 56 09	-42 09 10	7.87	0.17	3576
FC 89	12 36 14	-42 18 47	11.92	0.35	3275
FC 90	12 58 23	-42 05 43	13.31	0.80	3603
FC 91	13 07 33	-42 01 59	9.37	0.18	3678
FC 92	12 55 10	-42 18 26	4.98	0.16	3569
FC 93	12 39 45	-42 21 41	12.09	0.39	3335
FC 94	13 10 06	-42 12 23	9.21	0.18	3697
FC 95	12 37 30	-42 35 45	11.20	0.25	3293
FC 96	13 11 08	-42 12 60	11.43	0.25	3703
FC 97	13 00 16	-42 29 48	11.74	0.29	3624
FC 98	13 01 28	-42 29 59	12.20	0.34	3636
FC 99	13 02 12	-42 28 60	13.25	0.40	3646
FC 100	12 39 33	-42 58 09	11.60	0.33	3329

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FC 101	12 52 05	-42 55 28	10.53	0.21	3530
FC 102	12 38 01	-43 01 17	12.49	0.33	3305
FC 103	12 45 59	-43 05 06	7.91	0.16	3444
FC 104	12 38 03	-43 03 35	12.51	0.33	?
FC 105	12 53 29	-43 04 17	9.41	0.18	3546
FC 106	12 51 40	-43 10 34	11.46	0.30	3525
FC 107	12 49 28	-43 12 44	14.67	2.49	3503
FC 108	12 48 22	-43 19 37	11.89	0.35	3482
FC 109	12 41 31	-43 37 55	9.46	0.18	3372
FC 110	13 01 30	-43 22 37	10.42	0.20	3639
FC 111	13 02 39	-43 20 59	10.36	0.21	3647
FC 112	12 48 45	-43 42 36	7.55	0.16	3489
FC 113	13 08 57	-43 27 50	8.38	0.17	3689
FC 114	12 35 49	-43 49 27	11.35	0.31	3269
FC 115	12 42 02	-43 53 10	11.96	0.35	3379
FC 116	12 56 14	-43 46 40	11.70	0.32	3577
FC 117	12 49 02	-43 56 26	9.51	0.18	3494
FC 118	13 00 55	-43 47 50	10.83	0.24	3632
FC 119	12 43 22	-44 00 13	12.09	0.28	3404
FC 120	12 42 49	-44 05 49	11.72	0.26	3395
FC 121	12 59 20	-43 59 42	11.01	0.24	3613
FC 122	13 04 58	-43 54 50	10.49	0.23	3668
FC 123	12 55 10	-44 10 27	12.27	0.35	3567
FC 124	12 41 25	-44 17 34	13.25	1.03	3368
FC 125	13 06 11	-44 06 08	11.80	0.45	3674

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FC 126	12 54 15	-44 23 15	12.16	0.35	3559
FC 127	12 43 06	-44 34 02	10.56	0.23	3401
FC 128	12 48 18	-44 43 22	5.92	0.16	3479
FC 129	12 41 14	-44 41 51	11.06	0.30	3363
FC 130	13 06 15	-44 24 36	9.92	0.22	3673
FC 131	12 45 30	-44 43 49	11.01	0.25	3437
FC 132	13 03 25	-44 34 04	8.75	0.18	3653
FC 133	13 01 20	-44 45 55	5.69	0.16	3635
FC 134	12 56 24	-44 51 50	11.93	0.40	3578
FC 135	13 04 04	-44 55 37	10.34	0.27	3663
FC 136	12 53 52	-45 05 47	11.64	0.36	3555
FC 137	13 01 29	-45 11 02	9.40	0.21	3637
FC 138	12 48 39	-45 25 42	10.85	0.27	3488
FC 139	12 46 05	-45 29 59	9.98	0.23	3448
FC 140	12 52 24	-45 30 01	11.16	0.37	3537
FC 141	12 44 33	-37 18 20	11.95	0.46	?
FC 142	12 53 14	-37 34 32	11.62	0.16	?
FC 143	12 45 01	-37 43 04	12.41	0.51	?
FC 144	12 50 55	-37 50 52	12.81	0.64	?
FC 145	13 00 32	-37 49 28	12.16	0.44	?
FC 146	12 32 32	-38 31 40	11.72	0.37	?
FC 147	12 32 38	-38 34 39	11.77	0.37	?
FC 148	12 50 20	-38 29 37	13.22	0.80	3514
FC 149	12 36 00	-38 38 02	11.62	0.16	?
FC 150	12 56 00	-38 39 57	15.18	3.90	?

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FC 151	12 53 32	-38 47 20	13.23	0.76	3544
FC 152	12 44 09	-38 58 16	13.96	1.38	?
FC 153	12 49 39	-39 01 08	11.62	0.16	?
FC 154	12 44 42	-39 06 17	13.55	0.86	?
FC 155	12 40 10	-39 22 23	11.77	0.33	3344
FC 156	12 41 23	-39 25 15	12.36	0.45	?
FC 157	13 00 02	-39 14 40	12.64	0.28	3621
FC 158	12 54 19	-39 19 14	12.19	0.36	3560
FC 159	12 43 12	-39 31 42	12.25	0.40	3402
FC 160	12 47 27	-39 30 35	13.94	0.68	?
FC 161	12 47 27	-39 32 58	13.32	0.45	?
FC 162	12 30 26	-39 40 36	12.49	0.71	?
FC 163	12 45 13	-39 37 46	14.01	1.42	?
FC 164	12 33 23	-39 48 36	11.62	0.16	?
FC 165	12 47 33	-39 47 24	11.51	0.27	3465
FC 166	12 49 37	-39 54 43	12.85	0.48	?
FC 167	12 34 38	-40 01 57	11.21	0.32	?
FC 168	12 47 21	-40 06 59	13.81	1.32	?
FC 169	13 09 18	-39 51 04	16.14	0.16	?
FC 170	12 30 34	-40 16 59	12.41	0.37	?
FC 171	12 45 27	-40 18 07	13.81	1.09	?
FC 172	12 47 53	-40 22 24	11.62	0.73	?
FC 173	12 38 12	-40 29 26	11.30	0.30	?
FC 174	12 56 36	-40 21 02	12.97	0.58	?
FC 175	12 59 20	-40 25 47	10.04	0.19	3612

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FC 176	12 58 18	-40 36 17	14.97	1.65	?
FC 177	12 36 57	-40 50 55	13.29	0.82	?
FC 178	13 01 46	-40 36 22	12.02	0.32	3642
FC 179	13 04 42	-40 32 08	13.64	0.54	?
FC 180	13 07 47	-40 30 09	11.62	0.16	?
FC 181	13 11 23	-40 28 46	12.16	0.55	?
FC 182	12 38 51	-41 01 41	13.65	1.08	?
FC 183	12 33 56	-41 02 06	11.62	0.16	?
FC 184	12 32 04	-41 04 27	15.87	9.24	3213
FC 185	12 50 00	-41 05 35	11.62	0.16	?
FC 186	12 59 17	-40 59 13	13.68	0.61	?
FC 187	12 49 05	-41 11 57	12.92	0.57	?
FC 188	13 05 57	-40 56 55	13.97	1.38	?
FC 189	12 41 45	-41 17 18	12.78	0.59	?
FC 190	12 38 17	-41 22 22	14.59	1.11	?
FC 191	12 30 06	-41 24 33	12.02	0.44	?
FC 192	12 58 50	-41 10 32	13.02	0.59	?
FC 193	12 53 41	-41 18 59	15.09	3.51	3550
FC 194	12 33 02	-41 38 48	17.55	0.16	?
FC 195	13 10 44	-41 19 13	12.03	0.38	?
FC 196	12 45 48	-41 49 08	14.74	2.19	?
FC 197	12 52 02	-41 52 05	13.06	0.39	?
FC 198	12 52 36	-41 56 33	12.85	0.38	?
FC 199	12 52 46	-41 58 17	13.02	0.42	?
FC 200	12 53 18	-42 00 55	12.61	0.32	?

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FC 201	12 42 43	-42 10 01	13.14	0.70	?
FC 202	13 08 17	-41 57 20	13.00	0.49	?
FC 203	12 42 01	-42 17 44	14.13	1.69	3383
FC 204	13 01 25	-42 07 19	13.80	0.62	?
FC 205	13 04 28	-42 06 35	11.62	0.16	?
FC 206	12 49 14	-42 27 49	16.28	9.22	?
FC 207	12 46 01	-42 31 38	15.17	3.01	?
FC 208	12 39 02	-42 34 49	11.62	0.16	?
FC 209	12 52 11	-42 31 26	12.81	0.64	?
FC 210	12 35 17	-42 38 58	12.48	0.53	3264
FC 211	12 49 07	-42 38 11	13.50	0.83	3495
FC 212	12 51 22	-42 43 03	12.66	0.48	?
FC 213	12 59 42	-42 35 02	13.16	0.44	?
FC 214	12 44 16	-42 46 34	13.98	1.30	3418
FC 215	13 08 51	-42 27 57	13.66	1.17	3688
FC 216	12 47 52	-42 48 46	14.45	2.25	?
FC 217	12 44 22	-43 02 09	12.64	0.50	?
FC 218	13 10 02	-42 41 48	12.14	0.46	?
FC 219	12 41 21	-43 15 57	13.56	1.15	?
FC 220	13 04 17	-43 02 40	14.07	0.91	?
FC 221	13 01 51	-43 05 11	14.34	1.69	?
FC 222	12 39 00	-43 25 44	12.54	0.49	3312
FC 223	13 04 29	-43 08 36	13.27	0.54	?
FC 224	12 44 43	-43 25 14	11.62	0.16	?
FC 225	12 57 47	-43 17 47	12.78	0.35	3591

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FC 226	12 57 04	-43 19 39	12.98	0.43	?
FC 227	12 58 53	-43 27 14	11.62	1.01	?
FC 228	13 00 32	-43 25 24	13.44	0.49	?
FC 229	13 10 05	-43 16 00	11.92	0.46	?
FC 230	13 04 32	-43 23 45	12.77	0.59	?
FC 231	13 02 55	-43 31 37	13.48	0.63	?
FC 232	13 07 20	-43 35 40	13.25	1.03	?
FC 233	13 02 19	-43 40 23	14.42	2.37	?
FC 234	13 08 22	-43 40 12	14.24	3.01	?
FC 235	12 59 06	-43 51 13	12.74	0.34	3609
FC 236	12 51 07	-44 12 28	13.62	1.21	?
FC 237	12 58 52	-44 18 45	15.73	7.63	?
FC 238	13 00 44	-44 15 45	12.58	0.61	?
FC 239	12 48 57	-44 28 34	12.98	0.46	?
FC 240	13 03 53	-44 20 17	12.57	0.42	?
FC 241	13 03 58	-44 22 34	12.86	0.52	?
FC 242	12 59 55	-44 27 30	11.71	0.40	?
FC 243	12 51 09	-44 51 50	11.84	0.38	?
FC 244	12 57 28	-45 07 36	12.00	0.48	?
FC 245	12 57 23	-45 26 17	12.69	1.26	?
FC 246	12 58 50	-40 27 18	11.23	0.21	?
FC 247	12 51 41	-41 18 49	9.52	0.17	3522
FC 248	12 52 43	-41 11 23	12.18	0.27	3541
FC 249	12 52 10	-43 02 07	12.10	0.27	3531
FD 1	3 48 31	-54 16 44	9.22	0.20	497

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FD 2	3 52 58	-54 05 47	9.36	0.19	499
FD 3	3 53 27	-54 50 39	6.13	0.16	500
FD 4	4 03 38	-52 55 38	10.87	0.24	516
FD 5	3 48 06	-56 41 44	12.74	0.93	496
FD 6	3 59 59	-54 10 23	12.25	0.43	509
FD 7	3 57 09	-55 05 33	12.32	0.49	505
FD 8	4 00 59	-54 23 16	8.82	0.17	510
FD 9	3 51 37	-56 39 25	9.56	0.19	498
FD 10	4 03 16	-54 39 51	11.66	0.30	514
FD 11	3 56 30	-56 19 37	11.72	0.33	504
FD 12	3 57 42	-56 15 16	11.17	0.26	506
FD 13	4 03 49	-55 24 23	9.14	0.18	518
FD 14	4 15 23	-52 09 32	9.33	0.19	534
FD 15	3 59 35	-56 28 21	9.46	0.18	508
FD 16	4 10 25	-53 34 56	12.27	0.36	525
FD 17	4 01 12	-56 19 48	8.91	0.17	512
FD 18	3 58 37	-57 06 20	10.56	0.22	507
FD 19	4 11 07	-54 03 12	12.73	0.56	528
FD 20	4 11 43	-53 51 17	12.93	0.68	?
FD 21	4 13 41	-53 26 35	11.26	0.25	531
FD 22	3 55 52	-58 19 19	11.99	0.46	503
FD 23	4 18 36	-52 52 09	11.27	0.26	542
FD 24	4 09 24	-55 44 52	12.53	0.53	524
FD 25	4 02 39	-57 27 48	11.38	0.30	513
FD 26	4 06 34	-56 34 50	10.94	0.25	522

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FD 27	4 16 05	-54 01 25	11.93	0.36	537
FD 28	4 04 25	-57 09 57	11.89	0.33	519
FD 29	4 15 26	-54 22 43	10.60	0.21	536
FD 30	4 19 22	-53 19 25	12.26	0.39	545
FD 31	4 00 53	-58 39 30	7.76	0.17	511
FD 32	4 18 46	-54 08 43	7.49	0.16	543
FD 33	4 19 05	-53 51 01	12.45	0.45	544
FD 34	4 19 59	-54 04 45	10.53	0.21	548
FD 35	4 17 09	-54 58 14	11.30	0.24	539
FD 36	4 04 58	-58 09 44	12.59	0.55	520
FD 37	4 22 54	-53 32 18	12.57	0.43	552
FD 38	4 05 35	-58 28 31	9.36	0.18	521
FD 39	4 14 07	-56 11 16	12.14	0.42	533
FD 40	4 25 31	-53 06 01	10.40	0.23	555
FD 41	4 19 57	-54 56 46	9.68	0.19	547
FD 42	4 22 34	-54 09 18	10.09	0.19	551
FD 43	4 08 49	-58 29 04	9.56	0.18	523
FD 44	4 23 32	-54 17 51	13.01	0.70	553
FD 45	4 27 24	-53 23 44	11.06	0.28	562
FD 46	4 28 30	-53 27 15	10.10	0.20	565
FD 47	4 17 30	-56 44 23	12.74	0.52	540
FD 48	4 13 40	-58 01 10	9.14	0.18	532
FD 49	4 29 39	-53 13 03	11.62	0.16	?
FD 50	4 11 39	-58 41 36	12.30	0.44	529
FD 51	4 25 48	-55 07 15	11.90	0.35	556

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FD 52	4 31 12	-53 35 18	11.14	0.31	567
FD 53	4 27 55	-55 04 09	12.29	0.48	564
FD 54	4 22 06	-56 59 34	11.42	0.27	550
FD 55	4 21 19	-57 32 32	12.69	0.59	549
FD 56	4 27 03	-56 05 19	10.12	0.20	561
FD 57	4 24 06	-57 15 42	7.71	0.16	554
FD 58	4 16 39	-59 17 34	9.74	0.19	538
FD 59	4 26 35	-56 27 53	12.15	0.37	559
FD 60	4 19 13	-58 44 49	8.75	0.17	546
FD 61	4 36 18	-53 42 58	8.15	0.17	572
FD 62	4 25 56	-57 12 13	12.03	0.36	557
FD 63	4 34 20	-55 00 41	5.03	0.16	570
FD 64	4 31 08	-55 55 31	11.35	0.32	566
FD 65	4 32 43	-55 35 23	10.28	0.21	569
FD 66	4 36 33	-54 37 25	9.92	0.24	576
FD 67	4 26 33	-59 06 07	10.51	0.23	560
FD 68	4 34 48	-56 36 07	11.51	0.29	571
FD 69	4 36 06	-56 17 32	12.22	0.49	573
FD 70	4 40 50	-56 02 32	10.58	0.24	584
FD 71	4 40 20	-56 11 39	12.29	0.32	583
FD 72	4 37 03	-57 28 29	12.27	0.50	578
FD 73	4 39 21	-57 19 34	11.03	0.25	582
FD 74	4 36 10	-58 36 40	12.21	0.56	575
FD 75	4 42 39	-56 41 59	11.77	0.33	587
FD 76	4 38 51	-58 58 05	8.83	0.18	580

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FD 77	4 40 14	-58 44 35	11.64	0.39	?
FD 78	4 03 33	-52 28 53	11.07	0.29	515
FD 79	3 55 31	-53 29 43	13.68	1.56	?
FD 80	3 57 34	-54 20 33	13.39	0.94	?
FD 81	3 48 33	-56 32 11	14.59	3.76	?
FD 82	4 06 00	-52 39 49	12.62	0.57	?
FD 83	3 58 19	-54 51 39	12.38	0.39	?
FD 84	3 51 34	-56 23 23	12.24	0.56	?
FD 85	4 09 29	-52 28 06	12.69	0.63	?
FD 86	4 04 01	-54 04 22	12.90	0.67	?
FD 87	4 13 30	-52 24 19	13.56	1.12	?
FD 88	4 00 14	-56 05 14	11.62	0.16	?
FD 89	4 06 09	-54 35 51	11.62	0.16	?
FD 90	4 13 23	-52 53 27	13.71	1.18	530
FD 91	3 55 11	-57 45 16	13.22	1.01	?
FD 92	4 03 47	-56 01 00	13.17	0.89	?
FD 93	4 06 59	-55 19 29	12.89	0.68	?
FD 94	4 12 55	-54 01 46	13.64	0.97	?
FD 95	4 08 50	-55 37 09	11.62	0.16	?
FD 96	4 03 03	-57 41 48	13.50	0.98	?
FD 97	4 10 56	-56 28 58	12.92	0.58	527
FD 98	4 00 56	-58 55 36	11.44	0.32	?
FD 99	4 03 41	-58 57 02	12.94	0.83	?
FD 100	4 26 31	-53 09 01	11.73	0.37	558
FD 101	4 10 21	-57 47 14	12.89	0.69	526

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FD 102	4 14 18	-57 02 59	14.31	1.89	?
FD 103	4 29 47	-52 58 52	13.13	0.95	?
FD 104	4 17 12	-57 01 21	12.93	0.64	?
FD 105	4 26 43	-54 16 53	13.17	0.81	?
FD 106	4 23 34	-55 53 51	13.36	0.90	?
FD 107	4 11 47	-59 08 38	12.61	0.52	?
FD 108	4 31 54	-53 29 58	13.93	1.01	?
FD 109	4 17 15	-58 11 30	12.45	0.52	541
FD 110	4 33 51	-53 09 36	14.89	4.19	?
FD 111	4 32 00	-53 46 44	14.16	2.76	?
FD 112	4 26 03	-56 20 39	13.21	0.41	?
FD 113	4 29 38	-57 10 21	13.23	0.81	?
FD 114	4 28 51	-57 36 39	13.02	0.70	?
FD 115	4 40 48	-54 04 44	13.03	1.01	?
FD 116	4 37 31	-55 41 40	11.28	0.34	?
FD 117	4 30 36	-58 10 39	12.07	0.42	?
FD 118	4 37 41	-55 56 25	12.19	0.60	?
FD 119	4 39 14	-55 38 19	14.35	3.66	?
FD 120	4 33 05	-57 32 35	13.22	0.70	?
FD 121	4 37 34	-56 20 24	11.62	0.16	?
FD 122	4 36 53	-56 38 57	11.84	0.39	577
FD 123	4 40 20	-55 34 29	11.62	0.16	?
FD 124	4 43 14	-54 41 49	12.18	0.58	?
FD 125	4 30 60	-58 52 52	13.05	1.05	?
FD 126	4 43 58	-54 47 09	12.73	0.86	?

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FD 127	4 36 11	-57 52 50	15.23	5.16	?
FD 128	4 43 22	-55 46 25	13.01	0.75	?
FD 129	4 33 51	-58 51 57	14.51	3.81	?
FD 130	4 42 19	-56 07 32	12.83	0.73	586
FD 131	4 45 20	-55 06 26	13.33	1.40	?
FD 132	4 35 31	-58 28 25	14.37	2.75	?
FD 133	4 40 38	-56 54 25	14.25	1.51	?
FD 134	4 43 47	-56 46 10	12.69	0.59	?
FD 135	4 44 51	-56 42 02	12.23	0.45	?
FD 136	4 40 46	-58 29 47	12.19	0.53	?
FD 137	4 46 02	-56 54 28	14.87	4.03	?
FD 138	4 03 41	-52 11 25	9.11	0.18	517
FD 139	3 56 01	-52 51 56	11.07	0.35	502
FD 140	3 47 06	-58 06 32	7.79	0.17	495
FD 141	4 31 20	-59 45 28	8.92	0.19	568
FD 142	3 55 17	-54 52 36	11.55	0.25	501
FM 1	13 55 36	-28 59 15	12.40	0.50	3942/3
FM 2	13 53 60	-28 09 49	7.70	0.17	3938
FM 3	13 53 60	-27 56 29	10.24	0.21	3937
FM 4	13 53 42	-27 07 16	11.35	0.33	3935
FM 5	13 53 14	-27 20 60	11.67	0.35	3934
FM 6	13 52 56	-27 41 09	10.87	0.24	3930
FM 7	13 53 54	-30 01 20	9.29	0.18	3936
FM 8	13 52 37	-27 31 43	9.37	0.18	3929
FM 9	13 52 18	-26 48 08	11.35	0.30	3928

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FM 10	13 52 17	-30 47 45	9.17	0.18	3927
FM 11	13 51 23	-29 07 27	11.35	0.25	3923
FM 12	13 51 52	-30 48 28	9.16	0.18	3924
FM 13	13 50 03	-29 05 48	5.92	0.16	3915
FM 14	13 51 22	-30 48 10	12.36	0.34	?
FM 15	13 49 53	-28 11 48	10.30	0.20	3914
FM 16	13 49 11	-26 55 26	11.13	0.25	3911
FM 17	13 50 39	-30 15 24	12.21	0.38	3917
FM 18	13 49 46	-28 38 55	11.77	0.31	3913
FM 19	13 49 12	-27 25 49	11.61	0.29	3912
FM 20	13 50 40	-31 12 27	9.02	0.18	3918
FM 21	13 50 21	-31 03 57	9.58	0.18	3916
FM 22	13 49 11	-28 35 27	12.67	0.32	3910
FM 23	13 48 27	-27 56 22	13.13	0.70	3907
FM 24	13 48 06	-29 19 50	12.59	0.46	3905
FM 25	13 45 38	-26 06 26	5.51	0.16	3895
FM 26	13 47 51	-31 32 40	11.40	0.30	3903
FM 27	13 46 27	-28 02 03	12.25	0.35	3898
FM 28	13 47 23	-30 27 02	12.57	0.47	3902
FM 29	13 46 57	-29 41 34	13.35	0.70	3900
FM 30	13 45 33	-27 51 33	12.17	0.32	3894
FM 31	13 45 11	-27 43 07	11.44	0.25	3892
FM 32	13 46 27	-30 26 01	13.52	0.85	?
FM 33	13 46 06	-30 12 11	11.89	0.30	3896
FM 34	13 44 38	-26 46 33	10.63	0.20	3891

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FM 35	13 46 24	-31 45 34	12.60	0.54	3897
FM 36	13 45 16	-29 01 15	12.80	0.52	3893
FM 37	13 43 52	-26 47 37	12.22	0.37	3880
FM 38	13 44 10	-28 16 50	12.86	0.53	3886
FM 39	13 43 53	-27 46 10	11.85	0.29	3882
FM 40	13 43 54	-28 42 03	12.75	0.46	3881/3
FM 41	13 44 25	-30 07 07	10.94	0.21	3888
FM 42	13 44 10	-31 49 07	11.81	0.32	3885
FM 43	13 43 00	-30 10 02	9.71	0.18	3877
FM 44	13 43 28	-31 26 27	12.11	0.35	3879
FM 45	13 41 31	-27 16 16	9.93	0.19	3871
FM 46	13 42 15	-29 45 20	10.74	0.21	3874
FM 47	13 41 42	-28 45 09	12.31	0.26	3872
FM 48	13 42 32	-31 02 37	12.32	0.35	3875
FM 49	13 41 42	-29 53 43	11.14	0.23	3873
FM 50	13 40 47	-28 14 29	12.01	0.34	3866
FM 51	13 40 53	-28 57 18	12.40	0.42	3867
FM 52	13 39 54	-27 08 47	10.00	0.19	3863
FM 53	13 41 13	-31 34 28	12.43	0.27	3868
FM 54	13 39 42	-28 08 13	10.71	0.21	3860
FM 55	13 40 14	-29 33 34	12.02	0.32	3865
FM 56	13 38 44	-27 15 36	9.64	0.18	3853
FM 57	13 38 31	-26 54 19	9.63	0.18	3850
FM 58	13 39 57	-31 38 05	9.89	0.19	3862
FM 59	13 39 10	-30 14 09	12.44	0.37	3856

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FM 60	13 38 42	-29 32 48	9.95	0.18	3851
FM 61	13 39 05	-30 44 04	12.34	0.34	3855
FM 62	13 39 44	-32 29 31	12.38	0.46	3861
FM 63	13 37 35	-27 03 44	10.86	0.22	3848
FM 64	13 38 23	-29 49 40	11.02	0.23	3849
FM 65	13 36 48	-26 30 13	7.37	0.16	3838
FM 66	13 37 14	-26 42 39	12.18	0.35	3845
FM 67	13 38 46	-31 50 34	11.74	0.31	3852
FM 68	13 37 04	-27 39 32	12.87	0.57	3843
FM 69	13 37 03	-27 54 14	12.59	0.46	3842
FM 70	13 37 00	-29 50 41	7.92	0.17	3840
FM 71	13 35 53	-25 56 39	12.21	0.38	3833
FM 72	13 37 36	-32 08 53	11.28	0.24	3847
FM 73	13 36 29	-29 07 03	12.25	0.35	3835
FM 74	13 36 06	-28 41 47	11.86	0.29	3834
FM 75	13 36 41	-30 17 51	13.03	0.56	3836
FM 76	13 36 59	-32 18 02	12.28	0.28	3839
FM 77	13 36 49	-32 24 45	10.66	0.22	3837
FM 78	13 35 01	-26 07 13	12.67	0.51	3824
FM 79	13 35 31	-29 08 32	8.42	0.17	3827
FM 80	13 35 42	-29 21 49	11.48	0.25	3830
FM 81	13 34 12	-25 25 52	8.86	0.17	3818
FM 82	13 35 39	-31 25 04	12.52	0.26	3828
FM 83	13 35 40	-32 01 15	10.73	0.21	3829
FM 84	13 34 13	-27 55 12	11.99	0.34	3819

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FM 85	13 35 15	-32 13 16	9.82	0.19	3826
FM 86	13 34 47	-31 11 39	12.80	0.48	3821
FM 87	13 32 54	-26 36 00	9.77	0.18	3811
FM 88	13 33 10	-29 17 04	10.54	0.18	3815
FM 89	13 32 34	-28 41 37	5.47	0.16	3806
FM 90	13 33 21	-31 39 08	10.08	0.18	3816
FM 91	13 32 36	-29 17 04	9.91	0.17	3805
FM 92	13 31 49	-26 09 20	12.10	0.37	3803
FM 93	13 32 37	-29 33 07	11.41	0.25	3808
FM 94	13 33 09	-31 47 29	10.83	0.21	3812
FM 95	13 31 33	-28 06 44	6.69	0.16	3801
FM 96	13 31 01	-25 42 36	9.06	0.18	3796
FM 97	13 31 22	-27 32 14	11.69	0.29	3798
FM 98	13 32 45	-32 46 54	12.04	0.39	3810
FM 99	13 31 48	-29 42 25	12.26	0.39	3802
FM 100	13 32 12	-32 06 22	12.16	0.25	3804
FM 101	13 31 36	-32 08 57	10.86	0.22	3799
FM 102	13 30 02	-27 02 52	10.71	0.22	3792
FM 103	13 29 48	-26 35 11	8.56	0.17	3790
FM 104	13 30 57	-31 44 42	11.77	0.29	3794
FM 105	13 29 33	-27 23 39	10.23	0.19	3789
FM 106	13 29 54	-28 56 11	10.00	0.18	3791
FM 107	13 29 34	-29 04 58	11.08	0.19	3788
FM 108	13 28 17	-26 34 47	11.17	0.24	3780
FM 109	13 28 42	-31 59 43	11.69	0.31	3783

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FM 110	13 28 01	-29 46 48	12.83	0.49	3779
FM 111	13 27 12	-29 03 28	11.15	0.22	3777
FM 112	13 26 51	-29 51 53	12.87	0.50	3775
FM 113	13 26 03	-27 28 15	11.62	0.27	3771
FM 114	13 25 60	-30 23 11	11.71	0.20	3769
FM 115	13 25 14	-30 22 12	8.68	0.17	3765
FM 116	13 24 58	-31 20 15	11.17	0.25	3764
FM 117	13 23 51	-26 53 60	11.05	0.24	3761
FM 118	13 22 43	-28 47 03	11.08	0.23	3758
FM 119	13 22 45	-30 11 08	11.43	0.24	3757
FM 120	13 21 58	-28 26 52	12.02	0.34	3754
FM 121	13 20 46	-29 29 29	11.11	0.24	3745
FM 122	13 19 39	-30 20 40	6.21	0.16	3737
FM 123	13 18 02	-27 36 19	11.28	0.33	3730
FM 124	13 55 02	-29 07 28	12.83	0.69	?
FM 125	13 51 24	-27 24 05	14.75	2.96	3922
FM 126	13 51 18	-28 06 27	12.22	0.43	3921/0
FM 127	13 51 10	-29 20 03	11.67	0.28	3919
FM 128	13 49 02	-28 17 46	11.73	0.29	3909
FM 129	13 49 35	-30 02 06	14.11	1.11	?
FM 130	13 48 05	-27 16 56	12.45	0.46	3904
FM 131	13 48 25	-29 06 48	12.98	0.55	?
FM 132	13 48 49	-30 12 30	13.62	0.85	?
FM 133	13 47 38	-28 55 02	14.30	1.64	?
FM 134	13 47 11	-30 46 12	12.87	0.53	3901

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FM 135	13 45 53	-28 34 06	14.57	1.65	?
FM 136	13 44 34	-26 18 22	11.46	0.29	3889
FM 137	13 43 39	-26 29 55	13.11	0.71	?
FM 138	13 44 40	-29 39 34	13.69	0.88	?
FM 139	13 44 14	-28 48 53	13.39	0.42	3887
FM 140	13 45 17	-31 22 33	13.48	0.83	?
FM 141	13 43 21	-28 55 36	13.50	0.46	3878
FM 142	13 43 18	-29 00 16	14.07	0.71	?
FM 143	13 42 59	-29 07 15	13.80	0.56	?
FM 144	13 42 11	-28 28 59	16.06	3.81	?
FM 145	13 41 13	-27 29 26	14.53	1.73	3869
FM 146	13 41 56	-29 28 49	14.33	0.80	?
FM 147	13 41 25	-29 06 22	14.45	0.89	?
FM 148	13 40 27	-27 43 12	13.69	1.00	?
FM 149	13 41 59	-32 09 29	12.59	0.51	?
FM 150	13 41 23	-30 52 59	12.78	0.44	?
FM 151	13 41 43	-31 37 13	13.47	0.45	?
FM 152	13 39 30	-26 40 11	13.04	0.60	3859
FM 153	13 40 59	-31 14 31	13.44	0.76	?
FM 154	13 40 15	-29 53 12	14.01	1.10	3864
FM 155	13 40 34	-32 17 11	13.79	1.22	?
FM 156	13 39 13	-29 05 45	14.07	1.18	?
FM 157	13 39 28	-29 54 45	11.62	0.16	?
FM 158	13 36 57	-25 54 28	12.26	0.38	3841
FM 159	13 38 00	-31 06 14	13.22	0.43	?

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FM 160	13 38 01	-31 10 40	13.15	0.36	?
FM 161	13 37 40	-32 21 50	12.50	0.47	3846
FM 162	13 37 11	-31 29 23	13.78	0.87	?
FM 163	13 35 50	-30 51 28	13.74	0.58	3831
FM 164	13 33 21	-27 42 04	13.02	0.51	3817
FM 165	13 32 10	-30 44 25	13.86	0.84	?
FM 166	13 30 34	-25 29 15	14.32	1.11	?
FM 167	13 30 56	-30 18 29	13.11	0.50	3795
FM 168	13 30 41	-30 47 08	12.93	0.53	?
FM 169	13 29 00	-25 36 03	12.49	0.65	3785
FM 170	13 29 20	-28 27 46	12.74	0.50	3787
FM 171	13 29 40	-29 36 24	16.34	7.80	?
FM 172	13 29 06	-31 02 01	13.73	0.90	?
FM 173	13 28 46	-29 16 29	13.41	0.73	3784
FM 174	13 27 48	-30 46 28	13.40	0.66	3778
FM 175	13 27 41	-31 31 45	13.91	0.56	?
FM 176	13 27 07	-30 04 33	13.63	0.79	3776
FM 177	13 26 20	-26 51 42	13.01	0.56	?
FM 178	13 27 06	-31 30 15	14.23	0.77	?
FM 179	13 26 48	-32 28 51	13.27	0.59	?
FM 180	13 25 36	-27 39 21	13.28	0.66	?
FM 181	13 25 47	-29 49 49	13.84	1.01	3767
FM 182	13 24 57	-28 15 51	14.52	1.88	?
FM 183	13 24 02	-28 24 56	13.94	1.19	3762
FM 184	13 23 17	-27 05 24	12.12	0.38	?

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FM 185	13 20 29	-29 52 49	13.64	1.23	?
FM 186	13 19 53	-27 48 56	13.03	0.81	3738
FM 187	13 17 42	-28 48 03	12.37	0.54	3728
FM 188	13 31 21	-29 33 53	13.31	0.40	?
FM 189	13 31 36	-29 30 21	12.77	0.29	3800
FM 190	13 26 07	-32 33 26	10.36	0.23	3770
FM 191	13 48 09	-32 13 29	11.17	0.32	3906
FM 192	13 32 05	-32 11 40	12.50	0.30	?
FM 193	13 34 47	-25 18 49	11.91	0.28	3822
FM 194	13 41 19	-28 45 37	12.89	0.35	?
FM 195	13 35 20	-31 24 27	13.07	0.32	?
FM 196	13 40 10	-31 31 06	13.06	0.36	?
FM 197	13 36 21	-29 41 57	13.86	0.64	?
FT 1	19 55 30	-49 27 45	10.27	0.24	4536
FT 2	19 53 16	-48 27 36	11.25	0.37	4532
FT 3	20 00 09	-50 09 49	10.09	0.24	4544
FT 4	19 54 51	-48 31 15	11.27	0.34	4534
FT 5	19 55 18	-48 16 52	10.60	0.27	4535
FT 6	20 01 44	-49 58 38	10.16	0.23	4551
FT 7	20 04 50	-49 56 01	11.11	0.30	4560
FT 8	20 00 10	-48 43 38	12.18	0.54	4546
FT 9	19 56 08	-47 23 08	9.34	0.19	4538
FT 10	20 04 46	-49 44 03	11.19	0.30	4559
FT 11	20 03 31	-49 22 26	11.28	0.30	4555
FT 12	19 53 15	-46 22 23	9.35	0.20	4533

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FT 13	20 00 01	-48 11 02	11.80	0.39	4545
FT 14	20 05 07	-49 29 09	10.78	0.27	4562
FT 15	20 09 35	-50 25 49	10.43	0.25	4584
FT 16	20 05 59	-49 30 24	11.84	0.29	4567
FT 17	20 07 50	-49 58 27	12.45	0.58	4572
FT 18	19 59 41	-47 33 41	12.26	0.54	?
FT 19	20 03 54	-48 37 00	13.09	0.91	?
FT 20	19 57 02	-46 35 36	10.35	0.22	4540
FT 21	20 06 16	-48 59 27	9.60	0.20	4568
FT 22	20 04 59	-48 36 25	11.36	0.32	4561
FT 23	20 02 55	-47 58 16	12.14	0.44	4554
FT 24	20 01 26	-47 23 38	10.15	0.18	4550
FT 25	20 12 44	-50 18 27	10.99	0.28	4597
FT 26	20 02 07	-47 18 50	8.69	0.17	4552
FT 27	20 13 54	-50 19 21	8.65	0.18	4602
FT 28	20 05 56	-48 16 17	8.92	0.18	4566
FT 29	20 08 57	-49 3 54	12.30	0.53	4581
FT 30	20 12 53	-49 58 40	11.18	0.29	4599
FT 31	20 07 39	-48 39 25	12.06	0.46	4570
FT 32	20 05 35	-47 56 03	10.08	0.20	4564
FT 33	19 58 60	-46 06 29	11.91	0.38	4542
FT 34	20 09 26	-48 49 48	11.56	0.34	4583
FT 35	20 05 13	-47 29 42	9.47	0.19	4563
FT 36	19 58 41	-45 36 50	9.24	0.18	4541
FT 37	20 18 21	-50 39 31	10.59	0.25	4609

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FT 38	20 00 53	-45 42 34	8.04	0.17	4548
FT 39	20 11 25	-48 22 45	10.75	0.23	4593
FT 40	20 08 32	-47 33 54	10.96	0.25	4578
FT 41	20 19 11	-50 09 55	12.04	0.50	4615
FT 42	20 08 09	-47 11 30	9.28	0.18	4575
FT 43	20 00 46	-45 06 44	8.33	0.17	4547
FT 44	20 15 37	-48 58 12	11.91	0.38	4606
FT 45	20 07 35	-46 51 45	12.59	0.59	4571
FT 46	20 21 01	-50 00 27	7.51	0.17	4619
FT 47	20 15 11	-48 44 17	12.28	0.48	?
FT 48	20 06 25	-46 05 07	9.26	0.18	4569
FT 49	20 18 09	-48 57 25	12.53	0.61	4608
FT 50	20 02 04	-44 26 49	7.11	0.16	4553
FT 51	20 08 37	-46 19 58	11.59	0.31	4579
FT 52	20 05 43	-45 34 38	11.78	0.37	4565
FT 53	20 22 22	-49 29 13	9.17	0.18	4625
FT 54	20 04 29	-44 57 08	10.44	0.22	4558
FT 55	20 23 35	-49 46 36	12.57	0.76	4631
FT 56	20 03 25	-44 35 11	9.59	0.19	4556
FT 57	20 18 34	-48 32 33	11.51	0.33	4613
FT 58	20 10 30	-46 25 39	12.32	0.42	4590
FT 59	20 23 01	-49 19 55	11.28	0.24	4628
FT 60	20 20 06	-48 28 29	9.02	0.18	4617
FT 61	20 03 46	-43 49 14	9.01	0.18	4557
FT 62	20 13 56	-46 33 51	11.56	0.30	4603

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FT 63	20 12 25	-46 10 46	10.62	0.21	4598
FT 64	20 07 47	-44 55 47	12.58	0.62	4574
FT 65	20 16 42	-47 05 24	12.12	0.40	?
FT 66	20 19 18	-47 35 05	11.32	0.31	4616
FT 67	20 12 23	-45 51 35	11.14	0.26	4596
FT 68	20 09 40	-44 46 27	12.70	0.70	4586
FT 69	20 08 55	-44 31 16	11.83	0.43	4582
FT 70	20 13 37	-45 36 15	8.02	0.17	4601
FT 71	20 21 57	-47 43 25	10.33	0.21	4622
FT 72	20 23 58	-48 13 09	11.38	0.31	4632
FT 73	20 30 13	-49 21 49	8.83	0.18	4650
FT 74	20 09 38	-44 19 20	12.87	0.82	4587
FT 75	20 18 19	-46 33 12	12.04	0.38	4611
FT 76	20 27 12	-48 34 42	11.38	0.34	4641
FT 77	20 10 27	-44 08 21	11.39	0.34	4589
FT 78	20 26 36	-47 56 53	10.29	0.23	4639
FT 79	20 12 03	-44 16 19	9.84	0.20	4595
FT 80	20 10 46	-43 36 02	10.34	0.20	4591
FT 81	20 26 22	-47 30 36	11.94	0.43	4638
FT 82	20 10 60	-43 28 51	9.81	0.19	4592
FT 83	20 22 29	-46 27 09	12.16	0.45	4626
FT 84	20 12 40	-43 50 20	10.53	0.23	4600
FT 85	20 14 11	-44 10 37	12.69	0.74	4604
FT 86	20 27 00	-47 15 39	10.41	0.22	4640
FT 87	20 29 33	-47 47 07	9.56	0.19	4645

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FT 88	20 15 34	-44 28 42	11.57	0.33	?
FT 89	20 11 59	-43 24 30	11.60	0.43	4594
FT 90	20 20 45	-45 41 25	11.80	0.32	4620
FT 91	20 26 06	-46 39 46	9.10	0.18	4636
FT 92	20 22 00	-45 39 05	8.86	0.17	4624
FT 93	20 14 58	-43 39 54	9.85	0.21	4605
FT 94	20 28 24	-46 56 53	10.68	0.24	4643
FT 95	20 33 45	-47 56 28	11.65	0.39	4653
FT 96	20 26 05	-46 10 09	11.74	0.40	4637
FT 97	20 29 39	-46 09 44	7.00	0.16	4647
FT 98	20 22 40	-44 35 38	11.14	0.31	4627
FT 99	20 33 58	-46 49 56	10.07	0.21	4654
FT 100	20 29 51	-45 55 25	11.55	0.40	4649
FT 101	20 29 33	-45 23 16	10.17	0.21	4646
FT 102	20 27 16	-44 45 25	11.20	0.29	4642
FT 103	20 23 00	-43 39 26	10.14	0.20	4630
FT 104	20 22 46	-43 29 04	9.18	0.20	4629
FT 105	20 35 48	-46 37 18	10.91	0.32	4655
FT 106	20 23 53	-43 36 56	11.09	0.27	4633
FT 107	20 29 25	-44 57 48	12.42	0.42	?
FT 108	20 24 20	-43 40 09	11.75	0.33	?
FT 109	20 36 52	-46 26 44	9.32	0.20	4657
FT 110	20 32 19	-45 21 27	10.72	0.28	4652
FT 111	20 36 33	-45 32 42	9.22	0.20	4656
FT 112	20 30 33	-43 58 04	10.59	0.34	4651

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FT 113	20 01 32	-50 15 50	11.88	0.53	?
FT 114	20 02 55	-50 17 38	12.32	0.72	?
FT 115	19 56 53	-48 19 13	12.58	0.42	?
FT 116	20 01 22	-49 33 41	12.20	0.56	?
FT 117	19 54 21	-47 36 48	12.62	0.83	?
FT 118	19 55 12	-47 47 48	12.39	0.73	?
FT 119	19 57 16	-48 20 54	12.59	0.46	?
FT 120	20 03 60	-49 47 48	12.68	0.46	?
FT 121	19 56 56	-47 25 48	10.75	0.21	4539
FT 122	19 57 07	-47 02 54	12.84	0.90	?
FT 123	19 55 18	-46 48 39	12.23	0.61	?
FT 124	20 01 20	-48 27 16	12.70	0.76	?
FT 125	19 54 34	-46 27 26	12.33	0.58	?
FT 126	20 00 13	-47 55 55	12.78	0.81	?
FT 127	19 54 45	-46 13 16	12.49	0.69	?
FT 128	20 07 01	-49 31 30	12.57	0.44	?
FT 129	20 12 03	-50 39 49	12.48	0.81	?
FT 130	19 59 28	-47 05 44	12.37	0.55	4543
FT 131	20 01 07	-47 04 17	12.50	0.54	4549
FT 132	19 58 28	-46 08 04	13.46	0.73	?
FT 133	19 57 45	-45 50 31	12.82	0.71	?
FT 134	20 13 13	-49 38 29	12.71	0.71	?
FT 135	20 09 55	-48 35 38	12.79	0.66	?
FT 136	19 58 27	-45 06 34	12.77	0.88	?
FT 137	20 02 44	-45 59 33	12.46	0.57	?

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FT 138	20 16 08	-48 49 27	12.86	0.43	4607
FT 139	20 08 01	-46 44 14	12.99	0.48	?
FT 140	20 20 44	-49 48 58	12.47	0.43	?
FT 141	20 18 32	-49 15 10	12.36	0.50	?
FT 142	20 14 38	-48 12 26	12.78	0.68	?
FT 143	20 19 56	-49 21 59	12.71	0.72	?
FT 144	20 24 37	-50 23 17	11.27	0.34	?
FT 145	20 06 18	-45 51 36	12.34	0.50	?
FT 146	20 20 30	-49 06 44	12.77	0.66	4618
FT 147	20 09 01	-46 07 16	14.47	1.20	?
FT 148	20 09 38	-46 09 04	12.33	0.45	4585
FT 149	20 09 50	-46 02 37	13.59	0.63	?
FT 150	20 05 11	-44 40 02	12.81	0.78	?
FT 151	20 04 53	-44 30 40	12.48	0.59	?
FT 152	20 10 57	-45 54 08	13.54	1.11	?
FT 153	20 10 01	-45 40 43	13.70	1.22	4588
FT 154	20 08 36	-45 06 48	12.34	0.53	?
FT 155	20 23 31	-48 49 47	13.26	0.90	?
FT 156	20 07 49	-44 37 54	14.62	3.42	?
FT 157	20 06 22	-44 02 51	12.27	0.56	?
FT 158	20 15 33	-46 21 51	14.23	1.98	?
FT 159	20 10 12	-44 53 29	12.29	0.53	?
FT 160	20 07 59	-44 12 04	14.41	2.52	4577
FT 161	20 16 55	-46 31 54	13.05	0.74	?
FT 162	20 15 15	-46 04 49	12.87	0.68	?

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FT 163	20 07 59	-43 33 44	12.10	0.61	4576
FT 164	20 27 07	-48 21 14	13.07	0.92	?
FT 165	20 25 28	-47 50 18	12.34	0.57	4635
FT 166	20 14 04	-44 50 33	11.69	0.34	?
FT 167	20 34 15	-49 00 19	11.84	0.49	?
FT 168	20 18 43	-45 20 15	12.63	0.56	4614
FT 169	20 16 43	-44 42 22	12.44	0.52	?
FT 170	20 26 44	-46 27 28	13.36	1.21	?
FT 171	20 35 41	-48 22 03	11.26	0.35	?
FT 172	20 24 51	-45 43 39	12.90	0.70	?
FT 173	20 29 19	-46 28 36	12.04	0.45	?
FT 174	20 30 17	-46 28 32	11.80	0.44	?
FT 175	20 27 48	-45 41 12	11.62	0.16	?
FT 176	20 19 11	-43 32 24	12.46	0.72	?
FT 177	20 24 44	-44 38 13	14.14	2.42	?
FT 178	20 21 37	-43 47 53	12.43	0.62	4621
FT 179	20 35 22	-46 56 34	12.40	0.61	?
FT 180	20 25 13	-44 26 49	11.91	0.45	?
FT 181	20 27 59	-44 59 28	12.93	0.77	?
FT 182	20 29 19	-45 06 47	11.92	0.29	4644
FT 183	20 31 20	-44 47 35	11.89	0.53	?
FT 184	20 29 26	-49 43 37	8.74	0.17	?
FT 185	20 29 52	-49 47 23	8.52	0.17	4648
FT 186	19 52 07	-46 50 40	10.33	0.25	4531
FT 187	20 15 08	-43 34 26	10.15	0.22	?

Table 2—Continued

Name	α(J2000)	δ(J2000)	UV	UV error	FSC no.
FT 188	20 05 12	-47 20 23	11.50	0.29	?
FT 189	20 24 09	-43 40 39	11.98	0.40	?

Note. — The formal positional accuracy of the detected UV sources is ~10 arcsec, but the large point spread function of FAUST implies that the positions may have larger errors than the formal fit. For this reason, we list the UV sources with positions to the nearest second.

Table 3. Comparison of present detections and the FSC

Name	N_{detect}	FSC	FSC-U	FSC-U'
Dor	142	87	1	0
Cen	249	164	4	1
M83	197	142	4a	2a
Tel	189	120	9	2
Total	777	513	18	5

Note. — FSC-U is the number of FSC sources that are not at the edge of an image, and FSC-U' is the number of sources that are not at the edge of an image and we could not confirm here. The number of undetected sources in the M83 field excludes those sources from the overlap of the FAUST scan and the pointed observation.

Table 4. Identification of UV sources

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FC 1	USNO0525-12907188	B11.1	u	?	?	12 47 28.6	-37 22 34
FC 2	USNO0525-13025279	B12.6	u	?	?	12 55 26.4	-37 19 18
FC 3	SAO203688	7.7	s	A1V	0.09	12 40 16.0	-37 51 25
FC 4	TYC7772-851-1	10.93	s	?	0.39	12 56 30.5	-37 40 10
FC 5	SAO203718	9.3	s	A0	0.17	12 41 47.0	-37 53 12
FC 6	SAO203731	8.1	s	F0V	0.38	12 42 32.2	-37 54 10
FC 7	TYC777-835-1	9.93	s	?	0.47	13 03 39.7	-37 46 52
FC 8	USNO0450-15027418	B13.7	u	?	?	12 56 43.5	-37 58 06
C 9	USNO-A2-0450-14831165	B14.7	u	?	*-0.7	12 52 18.2	-38 02 35
FC 10	SAO203908	9.7	s	A	0.31	12 53 25.7	-38 03 32
C 11	USNO-A2-0450-14517802	B12.0	u	?	*0.4	12 38 01.9	-38 15 11
FC 12	USNO0450-14861545	B11.2	u	?	*0.5	12 49 54.7	-38 18 16
FC 13	USNO0450-14722885	B14.0	u	?	?	12 43 53.0	-38 21 25
FC 14	SAO203822	9.2	s	A3	0.23	12 48 18.4	-38 22 04
FC 15	TYC7758-812-1	9.68	s	?	0.32	12 39 35.9	-38 24 39
FC 16	SAO204099	9.0	s	A0	0.06	13 04 38.5	-38 23 40
FC 17	USNO0450-14623199	B11.9	u	?	*0.0	12 39 09.8	-38 44 51
FC 18	SAO203609	9.0	s	A3II	0.23	12 34 55.5	-38 49 55
FC 19	USNO0450-15096908	B12.9	u	?	*-1.0	12 59 39.5	-38 42 35
FC 20	SAO203816	8.9	s	A3	0.24	12 47 48.3	-38 51 45
FC 21	USNO0450-14756756	B12.6	u	?	*-0.1	12 45 27.0	-38 51 15
FC 22	TYC7773-1670-1	10.09	s	?	0.29	13 00 33.8	-38 44 58
FC 23	SAO203979	6.8	s	A3V	0.13	12 58 01.0	-38 55 02
FC 24	SAO203690	9.8	s	F2	0.39	12 40 21.9	-39 02 10
FC 25	USNO-A2-0450-14821964	B11.8	u	?	*0.2	12 51 54.7	-38 58 10

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FC 26	SAO203562	9.6	s	A0	0.17	12 31 52.82	-39 13 57
FC 27	ESO323-G025	13.39	ig	SA(rs)b	?	12 52 38.7	-39 01 42
FC 28	SAO204001	6.94	s	A0V	0.03	12 58 52.8	-39 06 20
FC 29	SAO204080	7.88	s	F0V	0.36	13 03 36.7	-38 58 07
FC 30	USNO0450-15038765	B13.7	u	?	*-0.3	12 57 12.7	-39 06 54
FC 31	USNO-A2-0450-15040174	B14.9	u	?	*-0.8	13 01 04.0	-39 03 19
FC 32	NGC4553	13.5	gp	SA0	0.93	12 36 08.0	-39 26 19
FC 33	SAO203981	7.53	s	A9IV	0.34	12 58 03.1	-39 16 02
FC 34	USNO0450-14874256	B11.9	u	?	*1.1	12 50 24.5	-39 25 37
FC 35	SAO204034	8.2	s	F2	0.41	13 00 44.4	-39 17 43
FC 36	SAO20398	10.0	s	A0	0.26	12 58 15.4	-39 22 59
FC 37	TYC7776-1116-1	10.95	s	?	0.32	12 53 53.2	-39 28 38
FC 38	USNO0450-14627245	B13.6	u	?	*0.5	12 39 21.4	-39 41 04
FC 39	SAO203881	5.97	s	B8V	-0.1	12 51 57.0	-39 40 50
FC 40	SAO203835	8.1	s	B5IV	-0.09	12 49 10.1	-39 43 02
FC 41	SAO203621	5.78	s	A0V	0.00	12 36 01.1	-39 52 11
FC 42	TYC7775-798-1	10.73	s	?	0.03	12 44 13.6	-39 46 17
FC 43	SAO203681	4.63	s	B8II	-0.08	12 39 52.6	-39 59 15
FC 44	USNO-A2-0450-14607200	9.9	g	SABcd	*-1.3	12 42 16.2	-40 06 25
FC 45	SAO203746	6.44	s	A7III	0.24	12 43 26.3	-40 10 41
FC 46	SAO203907	4.28	s	A4IV	0.22	12 53 26.2	-40 10 44
FC 47	SAO203554	8.6	s	A6III	0.29	12 31 29.1	-40 16 28
FC 48	USNO-A2-0450-14768318	B14.8	u	?	*-0.1	12 49 36.4	-40 13 56
FC 49	TYC7777-1416-1	10.37	s	?	0.35	13 03 36.3	-40 15 14
FC 50	SAO223587	8.9	s	A5	0.31	12 40 22.0	-40 37 52

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FC 51	SAO223687	9.8	s	A2	0.07	12 49 15.1	-40 37 59
FC 52	SAO223519	8.0	s	A5	0.17	12 34 13.8	-40 49 44
FC 53	USNO0450-14828057	B12.2	u	?	?	12 48 35.9	-40 44 36
FC 54	TYC7776-1480-1	10.09	s	?	0.25	12 59 13.0	-40 38 03
FC 55	USNO0450-14907321	B13.6	u	?	*-0.4	12 51 42.7	-40 44 09
FC 56	SAO223542	5.12	s	A7III	0.22	12 35 45.5	-41 01 19
FC 57	TYC7775-757-1	10.34	s	?	0.15	12 46 55.7	-40 53 24
FC 58	SAO223879	7.93	s	F6V	0.45	13 04 45.2	-40 40 58
FC 59	SAO223727	8.3	s	A9IV	0.28	12 52 34.3	-40 56 28
FC 60	SAO223824	8.0	s	A0	0.19	13 00 01.1	-40 53 01
FC 61	PGC042966	15.17	ig	E	?	12 45 03.8	-41 00 47
FC 62	SAO223916	10.26	s	A3	0.28	13 07 38.1	-40 46 30
FC 63	TYC7762-215-1	11.11	s	?	0.21	12 38 19.8	-41 12 41
FC 64	TYC7775-1763-1	10.63	s	?	0.16	12 44 45.2	-41 13 38
FC 65	SAO223706	8.47	s	A2	0.21	12 51 03.9	-41 15 05
FC 66	SAO223511	6.7	s	A7V	0.24	12 33 28.8	-41 24 51
FC 67	TYC7780-107-1	9.95	s	?	-0.07	12 52 19.4	-41 19 38
FC 68	TYC7778-1705-1	10.98	s	?	0.18	13 10 27.0	-40 57 24
FC 69	SAO223484	7.7	s	A5IV	0.32	12 31 18.8	-41 30 17
FC 70	SAO223859	9.0	s	A3	0.29	13 02 43.2	-41 14 01
FC 71	NGC4683	13.8	ig	SB(s)0	0.93	12 47 42.6	-41 31 44
FC 72	SAO223823	7.4	s	F2	0.37	12 59 59.0	-41 23 27
FC 73	USNO0450-14710416	B14.1	u	?	*0.5	12 43 18.5	-41 37 04
FC 74	SAO223924	8.1	s	A3V	0.09	13 08 12.4	-41 23 41
FC 75	NGC4930	12.0	g	SB(rs)	0.76	13 04 04.7	-41 24 44

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FC 76	SAO223701	8.8	s	F3V	0.43	12 50 31.7	-41 41 47
FC 77	SAO223808	9.5	s	A0	0.01	12 59 16.9	-41 36 34
FC 78	SAO223577	9.11	s	B9	0.11	12 39 25.2	-41 51 03
FC 79	TYC7781-616-1	10.04	s	?	0.27	13 04 59.3	-41 31 54
FC 80	SAO223513	7.95	s	F2	0.37	12 33 40.8	-41 57 04
FC 81	SAO223475	8.53	s	?	0.29	12 30 11.6	-41 55 28
FC 82	SAO223700	8.93	s	A3	0.22	12 50 30.4	-41 54 24
FC 83	SAO223558	8.72	s	A5	0.38	12 37 21.7	-42 01 42
FC 84	SAO223864	9.2	s	A2	0.19	13 03 03.1	-41 47 21
FC 85	SAO223778	8.2	s	F3V	0.44	12 56 50.2	-41 54 50
FC 86	SAO223635	8.04	s	F5V	0.49	12 44 20.1	-42 04 48
FC 87	USNO-A2-0450-15041646	B11.3	u	?	*-0.1	13 01 07.7	-41 58 55
FC 88	TYC7780-1433-1	10.38	s	?	-0.03	12 56 14.2	-42 09 11
FC 89	SAO223545	7.98	s	sdF2	0.45	12 36 05.3	-42 18 35
FC 90	USNO0450-15063833	B11.6	u	?	*0.7	12 58 16.0	-42 03 15
FC 91	TYC7781-83-1	9.85	s	?	0.10	13 07 30.9	-42 02 40
FC 92	SAO223756	6.82	s	B5Vn	-0.13	12 55 07.0	-42 17 28
FC 93	SAO223580	9.51	s	A3m	0.32	12 39 40.6	-42 22 29
FC 94	SAO223946	8.95	s	A0	0.10	13 10 03.7	-42 13 16
FC 95	TYC7766-1334-1	10.03	s	?	0.14	12 37 25.3	-42 36 07
FC 96	SAO223960	5.79	s	F7IV	0.51	13 11 08.9	-42 13 59
FC 97	SAO223828	7.83	s	F3IV	0.43	13 00 17.8	-42 30 04
FC 98	TYC7781-907-1	10.52	s	?	0.37	13 01 29.9	-42 29 58
FC 99	TYC7781-802-1	10.71	s	?	0.35	13 02 11.6	-42 29 13
FC 100	SAO223578	9.0	s	F0V	0.4	12 39 31.9	-42 59 04

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FC 101	TYC7780-609-1	10.42	s	?	0.15	12 52 08.7	-42 55 26
FC 102	SAO223561	9.19	s	F2	0.41	12 38 00.2	-43 02 02
FC 103	TYC7779-1941-1	10.56	s	?	-0.13	12 45 59.1	-43 05 22
FC 104	TYC7766-345-1	10.75	s	?	0.57	12 37 52.3	-43 05 24
FC 105	SAO223737	7.29	s	A5V	0.25	12 53 33.5	-43 04 30
FC 106	USNO0450-14908873	B12.8	u	?	*-1.2	12 51 46.9	-43 10 44
FC 107	SAO223691	9.27	s	F2	0.40	12 49 31.4	-43 12 44
FC 108	SAO223678	8.2	s	F0III	0.37	12 48 22.4	-43 19 59
FC 109	SAO223605	9.38	s	A2	0.08	12 41 30.5	-43 38 43
FC 110	TYC7785-239-1	10.89	s	?	0.05	13 01 30.2	-43 22 53
FC 111	SAO223857	7.9	s	A7V	0.26	13 02 38.0	-43 21 18
FC 112	SAO223681	8.82	s	B9III	-0.03	12 48 47.2	-43 42 56
FC 113	TYC7785-2089-1	10.5	s	?	-0.10	13 08 46.2	-43 27 52
FC 114	USNO0450-14550141	B13.0	u	?	*-0.3	12 35 42.8	-43 49 17
FC 115	SAO223609	10.01	s	A2	0.32	12 41 58.9	-43 53 52
FC 116	TYC7784-810-1	10.93	s	?	0.29	12 56 15.1	-43 46 45
FC 117	SAO223683	7.8	s	A3III	0.17	12 49 04.0	-43 56 58
FC 118	SAO223836	9.67	s	A0	0.16	13 00 53.3	-43 47 45
FC 119	USNO0450-14711408	B12.4	u	?	*0.3	12 43 21.2	-43 58 34
FC 120	USNO0450-14699795	B12.0	u	?	*0.2	12 42 47.8	-44 06 09
FC 121	SAO223809	9.61	s	A0	0.23	12 59 19.5	-43 59 32
FC 122	SAO223880	8.79	s	A2	0.25	13 04 48.3	-43 55 29
FC 123	SAO223753	5.88	s	G2IV	0.63	12 54 58.6	-44 09 07
FC 124	TYC7783-1498-1	10.49	s	?	0.40	12 41 17.9	-44 18 10
FC 125	SAO223896	9.6	s	A2	0.07	13 05 58.2	-44 05 44

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FC 126	SAO223742	9.1	s	F0V	0.38	12 54 15.6	-44 24 06
FC 127	TYC7783-1223-1	11.36	s	?	-0.07	12 43 02.4	-44 34 25
FC 128	SAO223677	6.88	s	B9V	-0.02	12 48 16.5	-44 43 08
FC 129	SAO223598	10.28	s	A2	0.21	12 41 11.8	-44 42 26
FC 130	SAO223899	9.38	s	A2IV	0.18	13 06 08.8	-44 25 14
FC 131	SAO223646	9.42	s	A2	0.26	12 45 26.3	-44 44 06
FC 132	SAO223866	7.8	s	A2IV	0.13	13 03 17.9	-44 33 46
FC 133	SAO223842	7.66	s	B6V	-0.08	13 01 15.2	-44 45 07
FC 134	SAO223769	9.44	s	A0	0.31	12 56 24.0	-44 52 07
FC 135	TYC7785-1568-1	10.88	s	?	0.02	13 04 20.5	-44 59 37
FC 136	SAO223740	9.0	s	A9V	0.34	12 53 54.3	-45 06 33
FC 137	SAO223846	9.74	s	B9	0.11	13 01 30.1	-45 11 23
FC 138	SAO223679	8.4	s	F0	0.33	12 48 33.8	-45 25 11
FC 139	SAO223655	8.31	s	F0	0.27	12 46 03.3	-45 30 05
FC 140	SAO223722	9.33	s	A2	0.03	12 52 18.7	-45 29 29
FC 141	TYC7259-115-1	9.94	s	?	0.311	12 44 52.9	-37 18 48
FC 142	USNO0450-14941695	B12.3	u	?	*0.4	12 53 07.4	-37 31 45
FC 143	USNO0450-14747828	B12.3	u	?	*1.4	12 45 02.2	-37 43 30
FC 144	USNO0450-14885379	B11.3	u	?	*0.7	12 50 49.6	-37 49 39
FC 145	USNO0450-15121279	B12.4	u	?	*0.3	13 00 40.9	-37 49 05
FC 146	USNO0450-14481710	B13.7	u	?	*0.4	12 32 26.5	-38 32 45
FC 147	USNO0450-14485189	B10.7	u	?	*-0.1	12 32 36.5	-38 39 11
FC 148	USNO0450-14870154	B13.2	u	?	*0.0	12 50 14.8	-38 29 34
FC 149	USNO0450-14551298	B12.6	u	?	*1.0	12 35 46.2	-38 39 54
FC 150	USNO0450-15008287	B12.8	u	?	*-0.5	12 55 55.5	-38 39 59

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FC 151	USNO0450-14951320	B11.6	u	?	*0.9	12 53 31.5	-38 47 16
FC 152	USNO-A2-0450-14652712	B15.9	u	?	*-0.2	12 44 24.5	-38 56 15
FC 153	USNO0450-14854637	B15.7	u	?	*-0.1	12 49 38.7	-39 02 20
FC 154	TYC7771-925-1	10.43	s	?	0.42	12 44 37.7	-39 05 51
FC 155	USNO0450-14643933	B11.6	u	?	*1.4	12 40 08.3	-39 23 40
FC 156	TYC7775-674-1	9.99	s	?	0.46	12 41 33.8	-39 27 38
FC 157	USNO0450-15104855	B12.6	u	?	*0.5	12 59 59.8	-39 14 56
FC 158	TYC7772-1576-1	9.81	s	?	0.36	12 54 20.1	-39 19 32
FC 159	USNO0450-14709560	B11.5	u	?	*1.0	12 43 16.0	-39 32 22
FC 160	SAO203807	8.81	s	G3V	0.63	12 47 23.2	-39 28 54
FC 161	NGC4679	13.15	g	SA(s)bc	?	12 47 30.2	-39 34 21
FC 162	TYC7762-1018-1	11.20	s	?	0.30	12 30 31.9	-39 39 53
FC 163	TYC7775-54-1	10.99	s	?	0.53	12 45 11.9	-39 38 34
FC 164	TYC7762-206-1	10.03	s	?	1.03	12 33 31.5	-39 49 01
FC 165	USNO-A2-0450-14720843	B16.9	u	?	*1.7	12 47 33.0	-39 46 46
FC 166	USNO0450-14850792	B13.1	u	?	*0.4	12 49 30.1	-39 53 31
FC 167	USNO0450-14528258	B12.2	u	?	*1.6	12 34 40.1	-40 03 17
FC 168	SAO203806	8.4	s	M3III	1.58	12 47 19.4	-40 07 377
FC 169	SAO204171	8.06	s	F5V	0.48	13 09 10.5	-39 52 24
FC 170	SAO203541	8.8	s	A2	0.41	12 30 27.9	-40 16 06
FC 171	SAO223652	9.1	s	F8	0.56	12 45 42.5	-40 16 41
FC 172	TYC7775-1831-1	10.14	s	?	0.44	12 47 49.7	-40 22 53
FC 173	TYC7762-1543-1	10.56	s	?	0.35	12 38 21.2	-40 30 58
FC 174	USNO0450-15031167	B14.0	u	?	*0.0	12 56 53.2	-40 21 00
FC 175	TYC7776-987-1	10.96	s	?	0.14	12 59 25.0	-40 25 53

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FC 176	USNO0450-15063491	B13.3	u	?	*0.4	12 58 15.1	-40 36 25
FC 177	USNO0450-14575914	B13.7	u	?	*0.5	12 36 55.9	-40 52 01
FC 178	USNO-A2-0450-15059539	B12.2	u	?	*0.0	13 01 52.8	-40 37 45
FC 179	USNO0450-15215568	B13.5	u	?	*-0.7	13 04 37.6	-40 32 15
FC 180	TYC7777-392-1	10.5	s	?	0.81	13 07 40.9	-40 30 02
FC 181	TYC7778-1639-1	9.36	s	?	0.33	13 11 12.2	-40 28 26
FC 182	TYC7762-1945-1	10.18	s	?	0.56	12 38 52.6	-41 00 55
FC 183	TYC7762-1926-1	10.57	s	?	0.24	12 33 49.9	-40 59 52
FC 184	SAO223494	7.3	s	K2III	1.24	12 31 59.2	-41 03 19
FC 185	USNO0450-14860017	B11.4	u	?	*0.8	12 49 50.9	-41 04 23
FC 186	ESO323-G054	14.86	ig	S	?	12 59 18.2	-40 57 41
FC 187	USNO-A2-0450-14757081	B12.4	u	?	*0.0	12 49 08.7	-41 12 26
FC 188	USNO0450-15248516	B13.2	u	?	*-0.4	13 05 59.3	-40 57 58
FC 189	USNO0450-14676419	B14.7	u	?	*1.4	12 41 41.4	-41 16 59
FC 190	TYC7766-717-1	10.64	s	?	0.37	12 38 18.1	-41 24 34
FC 191	SAO223465	8.03	s	F3IV	0.39	12 29 48.4	-41 24 09
FC 192	TYC7776-1098-1	10.55	s	?	0.39	12 58 49.4	-41 09 07
FC 193	USNO-A2-0450-14865062	16.4	u	?	*-0.4	12 53 42.8	-41 18 29
FC 194	SAO223501	9.38	s	F0	0.26	12 32 49.5	-41 37 58
FC 195	USNO-A2-0450-15278266	B11.8	u	?	*-0.2	13 10 52.4	-41 18 04
FC 196	TYC7779-1219-1	11.05	s	?	0.43	12 45 45.7	-41 49 32
FC 197	USNO-A2-0450-14825935	B14.5	u	?	*1.0	12 52 04.9	-41 52 03
FC 198	USNO0450-14926401	B14.6	u	?	*0.7	12 52 30.3	-41 55 28
FC 199	USNO0450-14931221	B14.7	u	?	*0.4	12 52 41.9	-41 57 41
FC 200	USNO0450-14945366	B15.0	u	?	*1.0	12 53 16.5	-42 00 40

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FC 201	TYC7779-733-1	10.93	s	?	0.32	12 42 37.3	-42 10 13
FC 202	TYC7781-114-1	11.19	s	?	0.08	13 08 12.6	-41 57 12
FC 203	USNO0450-14682772	B14.3	u	?	?	12 41 59.7	-42 18 16
FC 204	USNO0450-15142256	B14.3	u	?	*0.5	13 01 34.0	-42 07 48
FC 205	USNO0450-15213947	B12.1	u	?	?	13 04 33.6	-42 08 21
FC 206	USNO0450-14842856	B13.2	u	?	*0.6	12 49 11.6	-42 26 10
FC 207	TYC7779-1570-1	10.28	s	?	0.52	12 45 58.5	-42 31 52
FC 208	TYC7766-1132-1	10.51	s	?	0.37	12 38 58.0	-42 34 53
FC 209	USNO-A2-0450-14919623	B13.1	u	?	*0.5	12 52 13.9	-42 31 01
FC 210	SAO223535	8.95	s	F2	0.36	12 35 13.1	-42 40 21
FC 211	SAO223684	7.85	s	F5IV	0.54	12 49 07.0	-42 38 03
FC 212	TYC7780-747-1	10.7	s	?	0.45	12 51 24.6	-42 44 48
FC 213	SAO223819	8.8	s	G5V	0.71	12 59 52.0	-42 33 41
FC 214	USNO-A2-0450-14647502	9.5	u	?	*0.4	12 44 18.5	-42 47 25
FC 215	USNO0450-15318910	B11.7	u	?	?	13 08 52.4	-42 27 49
FC 216	TYC7779-2014-1	9.82	s	?	0.37	12 47 55.1	-42 50 35
FC 217	TYC7779-2027-1	9.89	s	?	0.31	12 44 10.1	-43 04 30
FC 218	SAO223942	9.56	s	?	0.37	13 09 44.9	-42 43 14
FC 219	SAO223596	9.32	s	F5	0.43	12 41 10.5	-43 16 59
FC 220	USNO-A2-0450-15116369	B14.5	u	?	*1.5	13 04 15.1	-43 02 04
FC 221	USNO0450-15150211	B12.4	u	?	*0.1	13 01 54.1	-43 03 39
FC 222	SAO223571	9.35	s	A0m	0.37	12 39 01.6	-43 25 26
FC 223	USNO0450-15209781	B11.6	u	?	?	13 04 23.1	-43 08 30
FC 224	TYC7783-60-1	9.81	s	?	0.73	12 44 25.1	-43 22 45
FC 225	TYC7784-1348-1	10.77	s	?	0.24	12 57 53.9	-43 18 20

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FC 226	USNO0450-15036393	B12.2	u	?	*0.4	12 57 06.7	-43 20 59
FC 227	USNO0450-15075910	B11.6	u	?	*0.8	12 58 46.7	-43 27 41
FC 228	TYC7785-188-1	10.26	s	?	0.27	13 00 36.8	-43 27 17
FC 229	ESO269-IG056	14.01	ig	SB(s)mp	?	13 10 01.2	-43 12 46
FC 230	SAO223878	9.89	s	A0	0.33	13 04 28.6	-43 23 56
FC 231	USNO0450-15171172	B12.6	u	?	*1.3	13 02 46.7	-43 32 10
FC 232	USNO0450-15282695	B12.6	u	?	*0.5	13 07 23.3	-43 36 50
FC 233	USNO0450-15158550	B12.9	u	?	*-1.2	13 02 14.6	-43 39 19
FC 234	TYC7785-367-1	10.54	s	?	0.40	13 08 18.1	-43 35 18
FC 235	ESO269-IG022/3	14.7	ip	S0	*-1.3	12 58 50.6	-43 52 35
FC 236	TYC7784-485-1	9.71	s	?	0.54	12 51 01.0	-44 11 32
FC 237	USNO0450-15075030	B14.7	u	?	*0.1	12 58 44.4	-44 19 32
FC 238	PGC044774	16.0	gp	SAB(s)p	?	13 00 31.1	-44 14 39
FC 239	USNO0450-14840957	B12.0	u	?	*1.4	12 48 46.7	-44 27 22
FC 240	USNO0450-15201324	B13.5	u	?	*0.1	13 04 01.7	-44 19 42
FC 241	USNO0450-15199021	B13.3	u	?	*-0.3	13 03 56.1	-44 22 31
FC 242	USNO0450-15100880	B12.7	u	?	*1.1	12 59 49.7	-44 27 49
FC 243	SAO223704	9.61	s	F2	0.36	12 51 02.6	-44 53 04
FC 244	USNO0375-17118731	B12.9	u	?	*0.8	12 57 28.5	-45 05 36
FC 245	TYC8246-51-1	10.82	s	?	0.34	12 57 29.5	-45 25 06
FC 246	TYC7776-1164-1	9.57	s	?	0.28	12 58 58.9	-40 27 40
FC 247	SAO223716	9.52	s	A0V	0.11	12 51 45.8	-41 18 27
FC 248	SAO223728	8.5	s	F3V	0.43	12 52 44.7	-41 11 04
FC 249	SAO223721	9.45	s	A5	0.32	12 52 16.0	-43 02 14
FD 1	SAO233280	6.92	s	A4V	0.59	3 48 24.9	-54 17 37

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FD 2	SAO233313	8.69	s	A0	0.08	3 53 01.3	-54 06 231
FD 3	SAO233314	7.75	s	B6V	-0.13	3 53 22.8	-54 51 08
FD 4	SAO233384	7.52	s	F0IV	0.34	4 03 40.6	-52 55 44
FD 5	TYC8503-860-1	11.15	s	A	0.17	3 48 14.0	-56 41 13
FD 6	SAO233351	7.81	s	F5V	0.42	3 59 54.3	-54 09 41
FD 7	TYC8504-1517-1	10.42	s	?	0.11	3 57 13.7	-55 05 25
FD 8	SAO233363	7.68	s	A3V	0.14	4 00 59.1	-54 23 31
FD 9	SAO233306	9.25	s	A0	0.07	3 51 44.2	-56 39 06
FD 10	USNO0300-01218129	13.19	s	B–A	0.45	4 03 21.8	-54 39 54
FD 11	SAO233334	8.66	s	F0III	0.33	3 56 34.5	-56 19 30
FD 12	SAO233341	8.36	s	A9III	0.28	3 57 45.5	-56 15 01
FD 13	HIC18969	7.66	s	A3V	0.17	4 03 53.0	-55 24 00
FD 14	SAO233451	9.51	s	B9	-0.03	4 15 18.3	-52 09 48
FD 15	HIC18656	6.84	s	A2m	0.24	3 59 37.5	-56 28 22
FD 16	SAO233423	9.49	s	F8	0.53	4 10 31.0	-53 35 06
FD 17	SAO233368	9.20	s	A0	0.06	4 01 15.4	-56 19 34
FD 18	HIC18592	6.05	s	F2IV	0.45	3 58 42.9	-57 06 09
FD 19	HIC19543	8.55	s	F3V	0.42	4 11 08.9	-54 02 22
FD 20	GSC0850201085	14.78	s	F	?	4 11 31.6	-53 49 57
FD 21	USNO0300-01267605	B13.7	s	A	*0.6	4 13 44.9	-53 26 19
FD 22	HE0365-5827	B13.54?	s	sdO	*1.8	3 55 53.6	-58 18 23
FD 23	HIC20109	6.09	s	A8V	0.48	4 18 40.0	-52 51 36
FD 24	USNO0300-01253020	11.87	s	A	*0.9	4 09 25.4	-55 44 27
FD 25	HIC18878	8.45	s	F0IV	0.28	4 02 49.7	-57 27 34
FD 26	SAO233400	8.78	s	A5	0.31	4 06 37.0	-56 34 32

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FD 27	SAO233460	9.63	s	F2	0.28	4 16 10.1	-54 00 53
FD 28	SAO233392	9.64	s	A2	0.29	4 04 32.8	-57 09 35
FD 29	GSC0850200572	14.80	s	sdOB	?	4 15 30.3	-54 21 58
FD 30	HE0418-5326	15.76	s	WFD A	?	4 19 24.8	-53 19 18
FD 31	HIC18731	7.04	s	A2V	0.11	4 00 44.9	-58 39 42
FD 32	HIC20117	7.17	s	A1V	0.11	4 18 48.2	-54 08 08
FD 33	IUE-BPFM 1 7731	15.54	s	WFD A	*-1.2	4 19 10.1	-53 50 43
FD 34	USNO0300-01307552	14.28	s	sdO+cool	*0.3	4 20 02.7	-54 04 14
FD 35	IUE-WD0416-55	15.49	s	WD	*-1.4	4 17 11.4	-54 57 47
FD 36	TYC8507-189-1+2	9.40	s	F5IV	0.47	4 04 50.3	-58 10 40
FD 37	SAO233500	9.85	s	A2	0.24	4 22 59.4	-53 32 06
FD 38	HIC19086	7.97	s	A4V	0.16	4 05 31.3	-58 28 42
FD 39	HIC19759	7.55	s	F5V	0.45	4 14 11.3	-56 10 36
FD 40	HIC20650	6.95	s	F0V	0.35	4 25 29.8	-53 06 43
FD 41	NGC1566	10.33	g	SAB(rs)	0.56	4 20 00.6	-54 56 17
FD 42	USNO0300-01320497	13.87	s	sdO	*-0.8	4 22 37.3	-54 08 49
FD 43	HIC19353	9.40	s	A1V	0.07	4 08 45.9	-58 29 14
FD 44	USNO0300-01325652	15.06	s	A	*-0.4	4 23 36.7	-54 17 17
FD 45	HIC20799	8.06	s	B ?	0.36	4 27 24.2	-53 24 16
FD 46	USNO0300-01351412	15.13	s	sdB	*-0.9	4 28 31.0	-53 27 53
FD 47	USNO0300-01295274	12.51	s	A	*-0.4	4 17 35.3	-56 43 36
FD 48	HIC19726	7.32	s	A5IV	0.22	4 13 39.9	-58 01 19
FD 49	USNO0300-01357213	13.04	s	A	*0.0	4 29 35.4	-53 13 13
FD 50	USNO0300-01265933	B15.7	u	?	*-0.8	4 11 45.7	-58 41 06
FD 51	TYC8505-1427-1	10.62	s	B-A	0.19	4 25 53.9	-55 06 11

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FD 52	USNO0300-01365856	B12.8	s	B(l)-A	*-0.5	4 31 11.0	-53 35 27
FD 53	NGC1602	13.33	g	IB(s)mp	0.34	4 27 53.7	-55 03 26
FD 54	SAO233498	9.71	s	A2	0.25	4 22 06.0	-56 58 59
FD 55	SAO233493	9.40	s	F2	0.37	4 21 23.9	-57 32 30
FD 56	SAO233526	9.80	s	A0	0.01	4 27 04.8	-56 04 24
FD 57	HIC20543	7.53	s	A2V	0.01	4 24 06.9	-57 15 11
FD 58	HIC19921	4.44	s	K2IV	1.08	4 16 28.9	-59 18 07
FD 59	SAO233524	9.10	s	F0	0.31	4 26 33.0	-56 26 41
FD 60	HIC20153	8.00	s	A2V	0.11	4 19 11.7	-58 44 47
FD 61	USNO0300-01393445	B11.8	s	sdO	*-0.4	4 36 15.2	-53 43 35
FD 62	EUVEJ0425-57.2	14.1	qs	Sy1	*-0.6	4 26 00.8	-57 12 02
FD 63	HIC21281	3.30	s	A0V	-0.08	4 33 59.8	-55 02 42
FD 64	SAO233547	9.70	s	A0	0.01	4 31 10.2	-55 54 43
FD 65	HIC21200	8.17	s	F2V	0.38	4 32 43.2	-55 35 49
FD 66	HIC21460	8.50	s	Ap	0.28	4 36 30.8	-54 37 16
FD 67	USNO0300-01340927	B13.6	u	?	*-0.4	4 26 29.3	-59 06 10
FD 68	TYC8512-2014-1	9.55	s	F	0.29	4 34 48.1	-56 35 30
FD 69	USNO0300-01391935	B14.4	u	?	*0.4	4 35 59.8	-56 16 50
FD 70	HIC21787	7.75	s	A8IV	0.34	4 40 48.9	-56 01 52
FD 71	SAO233619	9.35	s	A	0.28	4 40 18.5	-56 11 34
FD 72	USNO-A2-0300-01388801	B11.3	u	?	*0.6	4 36 56.8	-57 26 44
FD 73	USNO-A2-0300-01402756	B13.1	u	?	*0.7	4 39 20.2	-57 18 00
FD 74	USNO-A2-0300-01383021	B11.4	u	?	*0.9	4 35 56.0	-58 35 18
FD 75	TYC8512-2052-1	10.17	s	?	0.16	4 42 36.9	-56 41 35
FD 76	HIC21645	7.20	s	A4V	0.19	4 38 54.1	-58 58 50

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FD 77	ESO118-G34	13.52	g	S0 pec	*0.4	4 40 17.4	-58 44 43
FD 78	HIC18929	8.39	s	F0III	0.34	4 03 28.1	-52 30 21
FD 79	USNO-A2-0300-01167497	B16.3	s	?	*0.6	3 55 03.1	-53 31 13
FD 80	HIC18517	8.45	s	F5V	0.44	3 57 34.0	-54 21 27
FD 81	TYC8503-1818-1	9.97	s	?	0.70	3 48 04.3	-56 34 51
FD 82	N1522	13.93	g	S0 pec	0.36	4 06 07.7	-52 40 09
FD 83	USNO-A2-0300-01181856	B16.2	u	?	*-0.9	3 58 10.7	-54 50 47
FD 84	USNO0300-01155348	B11.7	s	A-F	*1.3	3 51 46.1	-56 23 02
FD 85	USNO-A2-0375-01377143	B14.8	u	?	*-0.2	4 09 28.3	-52 29 34
FD 86	N1515	12.05	g	Sc	0.62	4 04 03.0	-54 06 12
FD 87	USNO0375-01412489	B13.6	u	?	?	4 13 45.1	-52 26 19
FD 88	TYC8504-1229-1	9.51	s	G0	0.44	4 00 09.5	-56 03 50
FD 89	USNO-A2-0300-01225847	B14.8	us	?	*0.3	4 06 08.0	-54 37 18
FD 90	USNO-A2-0300-01265851	B11.0	u	?	*-1.6	4 13 24.2	-52 53 32
FD 91	TYC8507-1286-1	9.15	s	?	0.57	3 54 48.0	-57 43 30
FD 92	TYC8504-251-1	9.47	s	?	0.38	4 03 48.2	-56 00 56
FD 93	IC2032, ESO156-G42	14.73	g	IABpec	*-3.6	4 07 03.6	-55 19 40
FD 94	HIC19683	9.43	s	F3IV	0.39	4 13 00.4	-54 01 04
FD 95	USNO0300-01249733	B12.3	s	F?	*1.5	4 8 51.9	-55 37 02
FD 96	USNO-A2-0300-01208518	B11.8	u	?	*-1.0	4 03 00.8	-57 43 46
FD 97	N1536	13.15	g	SBpec	0.58	4 11 01.0	-56 29 12
FD 98	TYC8507-1644-1	9.48	s	F ?	0.32	4 00 51.9	-58 56 47
FD 99	TYC8507-604-1	8.04	s	?	1.15	4 04 12.9	-58 57 11
FD 100	I2073	14.55	g	SBpec	0.69	4 26 34.0	-53 11 12
FD 101	TYC8508-366-1	9.85	s	?	0.33	4 10 21.6	-57 46 56

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FD 102	USNO0300-01279783	B15.6	us	?	?	4 14 27.3	-57 03 11
FD 103	HIC20973	8.11	s	F5V	0.44	4 29 50.1	-52 59 08
FD 104	USNO0300-01293487	10.10	s	F ?	0.92	4 17 13.0	-57 03 17
FD 105	USNO0300-01342946	B13.5	s	A-F ?	*0.4	4 26 52.3	-54 14 47
FD 106	USNO-A2-0300-01317157	B13.7	u	?	*0.0	4 23 37	-55 54 54
FD 107	HIC19579	8.09	s	F3V	0.43	4 11 45.0	-59 10 12
FD 108	USNO-A2-0300-01360889	16.4	u	?	*-0.7	4 31 51.0	-53 29 30
FD 109	SAO233468	9.92	s	F8	0.28	4 17 41.3	-58 09 41
FD 110	TYC8509-1435-1	10.98	s	?	0.56	4 33 33.0	-53 11 11
FD 111	APMBGC157-055-064	15.0	g	E	*0.7	4 32 04.9	-53 46 07
FD 112	TYC8505-1195-1	9.85	s	F ?	0.31	4 25 45.6	-56 21 50
FD 113	USNO0300-01356726	B13.6	u	?	*0.8	4 29 30.4	-57 11 46
FD 114	TYC8515-94-1	10.49	s	?	0.32	4 28 42.8	-57 34 35
FD 115	USNO0300-01423001	B11.4	u	?	*-1.1	4 41 04.8	-54 02 49
FD 116	TYC8512-1348-1	10.44	s	F-G ?	0.545	4 37 30.8	-55 43 03
FD 117	TYC8515-419-1	9.68	s	?	0.39	4 30 31.5	-58 10 47
FD 118	ESO157-G044	14.87	g	IB(s)m	?	4 37 18.0	-55 55 27
FD 119	USNO0300-01411688	B16.1	u	?	*-0.8	4 39 22.2	-55 37 49
FD 120	USNO-A2-0300-01367944	B11.9	u	?	*0.4	4 33 09.1	-57 33 06
FD 121	USNO0300-01400573	B14.0	u	?	?	4 37 31.1	-56 20 12
FD 122	TYC8512-1665-1	9.49	s	?	0.35	4 36 54.4	-56 38 20
FD 123	USNO0300-01419690	B12.7	s	F-G ?	*-1.0	4 40 35.4	-55 34 29
FD 124	TYC8509-363-1	9.12	s	?	0.35	4 43 03.2	-54 42 55
FD 125	TYC8515-1469-1	9.93	s	?	0.48	4 30 57.3	-58 54 37
FD 126	USNO0300-01442477	B11.8	u	?	*-1.6	4 44 00.6	-54 43 03

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FD 127	USNO-A2-0300-01385078	B14.7	u	?	*1.3	4 36 17.0	-57 53 32
FD 128	TYC8512-1176-1	11.33	s	?	0.84	4 43 34.8	-55 49 34
FD 129	USNO-A2-0300-01371953	B12.2	u	?	*0.9	4 33 53.7	-58 50 21
FD 130	HIC21874	8.04	s	F5V	0.46	4 42 10.5	-56 07 08
FD 131	TYC8513-152-1	11.34	s	F-G ?	0.59	4 45 19.2	-55 50 50
FD 132	TYC8515-503-1	11.02	s	?	0.39	4 34 57.7	-58 30 31
FD 133	USNO0300-01418644	B13.7	s	A-F ?	*-0.2	4 40 26.1	-56 55 19
FD 134	HE0442-5652	B16.3	ag	QSO, z=0.34	*0.2	4 43 39.5	-56 47 15
FD 135	TYC8513-20-1	11.48	s	B-A ?	0.12	4 44 54.1	-56 41 33
FD 136	USNO0300-01420841	B11.4	u	?	?	4 40 45.9	-58 26 27
FD 137	USNO0300-01455043	B12.7	s	F-G ?	*1.5	4 46 00.1	-56 52 14
FD 138	SAO233382	8.83	s	B9	0.03	4 03 33.1	-52 11 50
FD 139	USNO0300-01176330	B13.6	u	?	*0.9	3 55 42.4	-52 50 40
FD 140	HIC17691	9.97	s	B7V	-0.12	3 47 20.7	-58 04 36
FD 141	HIC21106	7.01	s	A7III	0.21	4 31 23.7	-59 46 02
FD 142a	USNO-A2-0300-01165387	B13.9	u	?	*-0.5	3 55 07.9	-54 52 09
FD 142b	USNO-A2-0300-01165863	B15.6	ag	QSO, z=0.29 ?	*-0.2	3 55 13.3	-54 51 57
FM 1	TYC6728-1115-1	10.83	s	?	0.72	13 55 28.5	-29 02 05
FM 2	HFD 121081	8.9	s	B9V	0.08	13 53 58.4	-28 8 34
FM 3	USNO0600-09386883	14.01	s	B ?	*-1.1	13 54 00.2	-27 55 16
FM 4	SAO182054	9.34	s	A2	0.28	13 53 44.8	-27 06 02
FM 5	HFD 120970	10.3	s	A2	0.22	13 53 15.0	-27 18 37
FM 6	TYC6724-799-1	11.68	s	A-F ?	0.42	13 52 54.8	-27 40 08
FM 7	SAO182056	8.1	s	A6IV	0.24	13 53 53.1	-30 00 39
FM 8	HFD 120867	10.2	s	A0	0.09	13 52 36.0	-27 30 00

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FM 9	SAO182034	10.24	s	A0	0.11	13 52 18.7	-26 47 16
FM 10	SAO204927	7.9	s	A3	0.10	13 52 17.6	-30 47 06
FM 11	HFD 120657	10.5	s	A2	0.24	13 51 23.1	-29 08 44
FM 12	HFD 120733	9.69	s	A0	0.10	13 51 48.7	-30 48 12
FM 13	SAO181999	6.19	s	A0V	-0.03	13 50 06.4	-29 04 51
FM 14	TYC7279-1224-1	12.99	s	?	-0.04	13 51 28.9	-30 48 27
FM 15	SAO181996	7.70	s	A6	0.45	13 49 54.2	-28 11 11
FM 16	USNO0600-09347896	15.37	u	?	*-0.1	13 49 10.2	-26 55 30
FM 17	SAO204899	8.6	s	F6V	0.41	13 50 38.2	-30 15 41
FM 18	SAO181993	8.7	s	A2	0.36	13 49 47.3	-28 38 24
FM 19	USNO0600-09348084	B15.2	s	F ?	*0.4	13 49 11.6	-27 25 30
FM 20	SAO204900	7.1	s	A5	0.17	13 50 39.6	-31 12 20
FM 21	SAO204892	7.2	s	F0	0.29	13 50 20.9	-31 04 03
FM 22	TYC6728-518-1	11.16	s	A ?	0.27	13 49 10.9	-28 34 31
FM 23	USNO0600-09343173	13.52	s	A ?	*-0.2	13 48 35.8	-27 56 33
FM 24	TYC6727-804-1	11.41	s	B-A ?	0.19	13 48 05.8	-29 20 22
FM 25	SAO181931	5.8	s	A0V	0.02	13 45 36.3	-26 06 57
FM 26	TYC7266-692-1	10.69	s	A0	0.10	13 47 50.9	-31 32 49
FM 27	USNO0600-09325326	11.83	u	?	*0.5	13 46 27.3	-28 02 45
FM 28	N5291/B	14.00	g	S pec	?	13 47 24.1	-30 24 27
FM 29	SAO181949	8.6	s	F8	0.51	13 46 57.5	-29 40 18
FM 30	HFD 119753	8.2	s	F3V	0.60	13 45 35.0	-27 51 15
FM 31	HE1342-2728	15.79	s	sdB		13 45 11.4	-27 43 19
FM 32	SAO204825	8.3	s	G0	0.59	13 46 17.0	-30 28 28
FM 33	TYC7266-1276-1	11.17	s	A-F ?	0.13	13 46 07.6	-30 12 29

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FM 34	SAO181919	8.6	s	A3	0.30	13 44 36.7	-26 46 48
FM 35	TYC7266-1014-1	11.47	s	A-F ?	0.17	13 46 25.2	-31 45 48
FM 36	SAO181928	8.8	s	F0	0.31	13 45 17.8	-29 01 00
FM 37	HFD 119463	10.5	s	A3	0.24	13 43 52.4	-26 47 38
FM 38	USNO0600-09305363	15.35	s	A-F(e) ?	*-0.2	13 44 10.0	-28 17 21
FM 39	SAO181910	8.8	s	A2	0.26	13 43 53.9	-27 45 59
FM 40	HFD 119465	8.12	s	K0	1.00	13 43 56.6	-28 39 58
FM 41	SAO181914	9.3	s	A2	0.07	13 44 25.4	-30 07 50
FM 42	SAO204787	8.5	s	F0	0.37	13 44 09.9	-31 48 59
FM 43	SAO181891	7.0	s	A2V	0.90	13 43 00.9	-30 10 58
FM 44	SAO204771	9.0	s	F0IV	0.38	13 43 27.1	-31 26 39
FM 45	SAO181862	8.7	s	A2V	0.19	13 41 31.2	-27 16 21
FM 46	SAO181876	8.5	s	F0	0.31	13 42 15.5	-29 46 12
FM 47	SAO181868	8.0	s	F2	0.37	13 41 43.6	-28 45 44
FM 48	USNO0525-13768846	12.17	s	A ?	*-0.1	13 42 29.8	-31 3 21
FM 49	N5264	12.6	g	IB(s)m	0.55	13 41 31.9	-29 55 08
FM 50	HIC66742	8.01	s	F3	0.44	13 40 47.0	-28 14 32
FM 51	USNO-A2-0600-15938674	B13.7	u	?	*-2.0	13 40 46.1	-28 56 54
FM 52	SAO181838	8.4	s	A3	0.10	13 39 52.9	-27 09 05
FM 53	USNO0525-13747141	B13.8	s	A ?	*0.1	13 41 13.3	-31 34 54
FM 54	GSC06726001897	14.58	s	?	?	13 39 42.5	-28 8 37
FM 55	HE1337-2919	16.06	ag	QSO cand.	?	13 40 14.6	-29 34 15
FM 56	SAO181827	8.1	s	A3IV	0.16	13 38 44.5	-27 15 35
FM 57	SAO181823	8.4	s	A1V	0.09	13 38 31.2	-26 54 21
FM 58	NGC5253	10.87	g	Im pec	0.38	13 39 56.8	-31 38 11

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FM 59	SAO204696	9.59	s	A3	0.35	13 39 07.3	-30 15 30
FM 60	SAO181825	5.8	s	F3V	0.42	13 38 42.1	-29 33 39
FM 61	SAO204695	9.37	s	F5	0.38	13 39 03.6	-30 44 53
FM 62	SAO204711	9.8	s	A0	0.18	13 39 41.8	-32 29 21
FM 63	SAO181807	8.6	s	A5	0.17	13 37 34.8	-27 03 31
FM 64	SAO181821	7.0	s	F2III	0.40	13 38 23.3	-29 50 20
FM 65	SAO181789	6.7	s	A0V	0.24	13 36 48.2	-26 29 52
FM 65	SAO181790	5.7	s	A7V	0.22	13 36 48.4	-26 29 42
FM 66	SAO181796	9.2	s	K2	1.23	13 37 10.3	-26 41 43
FM 67	SAO204689	10.2	s	A0	0.01	13 38 42.9	-31 50 42
FM 68	SAO181794	7.9	s	F5V	0.49	13 37 06.3	-27 39 06
FM 69	HE1334-2739	16.41	ag	QSO cand.		13 37 04.7	-27 54 20
FM 70	N5236	8.2	g	SAB(s)c	0.61	13 36 58.8	-29 51 52
FM 71	I4293	13.50	g	SA0	*1.5	13 36 01.7	-25 52 53
FM 72	SAO204668	9.08	s	A3	0.35	13 37 33.4	-32 08 24
FM 73	HE1333-2853	15.92	s	sdA or QSO cand.		13 36 29.5	-29 08 53
FM 74	HFD 118250	10.7	s	A2	0.25	13 36 06.8	-28 42 20
FM 75	USNO0525-13671585	B13.4	s	A ?	*0.5	13 36 40.5	-30 18 36
FM 76	HFD 118350	9.8	s	A0	0.31	13 36 58.8	-32 17 38
FM 77	SAO204651	7.6	s	A9V	0.42	13 36 46.7	-32 24 13
FM 78	USNO0600-09235666	13.7	us	?	*1.1	13 35 00.6	-26 05 32
FM 79	SAO181775	8.4	s	A0	0.01	13 35 30.8	-29 09 18
FM 80	SAO181779	8.1	s	F2V	0.41	13 35 41.1	-29 22 40
FM 81	SAO181760	8.9	s	M0	1.27	13 34 18.0	-25 22 49
FM 82	HFD 118147	10.03	s	A3	0.27	13 35 34.3	-31 25 26

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FM 83	HFD 118162	9.7	s	A0	0.17	13 35 37.8	-32 01 04
FM 84	GSC06722-00847	13.5	s	F(e) ?	?	13 34 11.7	-27 52 29
FM 85	SAO204623	6.8	s	F0	0.37	13 35 12.2	-32 12 45
FM 86	SAO204613	9.7	s	F2	0.37	13 34 42.4	-31 12 13
FM 87	SAO181742	6.9	s	A9IV	0.33	13 32 54.0	-26 35 15
FM 88	SAO181749	8.7	s	A2	0.07	13 33 09.2	-29 17 58
FM 89	SAO181737	5.7	s	A1V	0.04	13 32 35.9	-28 41 34
FM 90	SAO204584	10.2	s	A0	0.01	13 33 19.7	-31 39 13
FM 91	SAO181736	8.2	s	A4V	0.18	13 32 35.1	-29 17 45
FM 92	SAO181727	7.5	s	F5V	0.41	13 31 51.6	-26 06 52
FM 93	SAO181735	6.4	s	F5IV	0.44	13 32 34.5	-29 33 55
FM 94	PPM291518	10.49	s	A ?	0.20	13 33 06.6	-31 47 36
FM 95	SAO181723	6.4	s	A1V	0.09	13 31 33.2	-28 06 46
FM 96	SAO181716	7.5	s	A4IV	0.18	13 31 07.4	-25 39 25
FM 97	HFD 117531	9.70	s	A2	0.27	13 31 20.8	-27 31 46
FM 98	TYC7269-1285-1	11.21	s	?	0.04	13 32 42.5	-32 47 00
FM 99	TYC6725-1567-1	11.02	s	A-F ?	0.34	13 31 45.1	-29 42 55
FM 100	SAO204569	7.7	s	K2	1.49	13 32 24.6	-32 03 28
FM 101	SAO204552	7.4	s	F2V	0.39	13 31 34.3	-32 08 26
FM 102	PPM261728	10.77	s	A ?	0.06	13 30 01.3	-27 02 25
FM 103	SAO181697	8.20	s	A0	0.01	13 29 49.4	-26 34 10
FM 104	GSC07265-02231	12.7	g	Em.Ln.Gal.?	*0.0 ?	13 31 00.7	-31 44 54
FM 105	SAO181690	7.6	s	A5	0.17	13 29 30.4	-27 23 22
FM 106	SAO181698	9.2	s	A3V	0.16	13 29 53.0	-28 56 41
FM 107	SAO181691	9.3	s	A0	0.01	13 29 32.5	-29 05 28

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FM 108	GSC06721-01689	13.4	s	hot star ?	*-0.8	13 28 18.2	-26 33 51
FM 109	GSC07268-01770	14.23	s	A-F?	?	13 28 40.8	-31 59 02
FM 110	SAO181672	9.20	s	A3	0.10	13 28 00.4	-29 47 30
FM 111	SAO181666	9.0	s	A6IV	0.24	13 27 09.7	-29 03 45
FM 112	IC4248	13.85	g	S	*0.7	13 26 47.6	-29 53 58
FM 113	SAO181644	8.4	s	B9m	0.34	13 25 59.6	-27 28 10
FM 114	TYC7264-2149-1	10.88	s	F-G ?	0.54	13 26 09.9	-30 24 53
FM 115	SAO204452	8.3	s	A1I	0.07	13 25 12.8	-30 22 37
FM 116	PPM291356	11.18	s	A-F ?	-0.10	13 24 58.0	-31 18 53
FM 117	TYC6721-1262-1	10.48	s	?	0.62	13 23 44.9	-26 52 10
FM 118	GSC06712-01305	14.62	s	A ?	?	13 22 43.5	-28 46 47
FM 119	SAO181601	8.8	s	A2	0.07	13 22 42.7	-30 11 51
FM 120	GSC06712-01800	13.4	s	A ?	*-0.3	13 21 56.2	-28 26 31
FM 121	USNO-A2-0600-15616353	B12.1	s	A ?	*0.3	13 20 45.5	-29 29 33
FM 122	SAO204359	8.48	s	B5III	-0.11	13 19 43.0	-30 19 56
FM 123	GSC06708-00630	12.14	s	A-F ?	*0.7	13 18 03.2	-27 36 09
FM 124	ESO445-76	14.66	g	S	*0.6	13 54 55.4	-29 08 12
FM 125	HFD 120656	9.89	s	A5	0.43	13 51 21.0	-27 23 26
FM 126	HE1348-2751	16.62	ag	QSO cand.	?	13 51 17.0	-28 06 09
FM 127	GSC06728-00653	13.35	s	?	*1.9	13 51 06.9	-29 20 44
FM 128	PPM262113	9.7	s	F8	0.53	13 49 21.0	-28 11 59
FM 129	USNO0525-13891216	10.91	s	F-G ?	1.15	13 49 37.4	-30 04 47
FM 130	HE1348-2751	16.62	ag	QSO cand.	?	13 51 17.0	-28 06 09
FM 131	USNO0600-09340494	B11.6	s	F ?	*1.0	13 48 15.6	-29 06 25
FM 132	IC4327	11.81	g	SB(s)c	*0.8	13 48 44.2	-30 13 00

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FM 133	GSC6727-01158	13.16	s	F-G ?	*0.5	13 47 37.7	-28 54 32
FM 134	USNO0525-13849417	B16.7	u	?	*-0.8	13 47 08.7	-30 46 41
FM 135	HFD 119808	10.26	s	F5	0.41	13 45 54.9	-28 36 11
FM 136	SAO181916	9.2	s	K0	0.86	13 44 26.8	-26 19 27
FM 137	USNO0600-09301026	B14.6	u	?	*1.3	13 43 36.1	-26 29 45
FM 138	GSC06727-01025	13.0	s	F ?	*1.2	13 44 43.6	-29 37 49
FM 139	HFD 119523	10.54	s	F5	0.31	13 44 14.6	-28 48 56
FM 140	GSC07266-01557	13.26	s	G ?	*0.1	13 45 05.8	-31 23 10
FM 141	IC4318N	14.54	g	S	?	13 43 18.3	-28 57 05
FM 142	IC4318S	14.54	g	S	?	13 43 22.6	-28 58 05
FM 143	GSC06727-01253	12.50	s	F-G ?	*1.1	13 43 08.2	-29 08 06
FM 144	USNO0600-09288930	15.5	u	?	*1.5	13 42 04.3	-28 26 24
FM 145	USNO0600-09282143	B13.9	s	F-G ?	*1.2	13 41 12.6	-27 26 55
FM 146	TYC6727-259-1	10.9	s	F ?	0.59	13 41 57.4	-29 27 58
FM 147	SAO181859	10.11	s	F5	0.38	13 41 24.2	-29 06 29
FM 148	GSC06722-00631	13.22	s	?	*0.3	13 40 27.0	-27 42 14
FM 149	USNO0525-13761528	B11.6	s	F ?	?	13 42 04.3	-32 07 21
FM 150	SAO204731	9.37	s	F5	0.43	13 41 21.9	-30 54 55
FM 151	USNO0525-13755471	B14.0	us	?	*0.6	13 41 42.6	-31 37 25
FM 152a	HE1336-2625	16.21	s	sdA	?	13 39 29.5	-26 40 24
FM 152b	HE1336-2624	16.53	s/ag	sdA/QSO cand.	?	13 39 17.6	-26 39 16
FM 153	USNO0525-13745120	B15.5	s	?	*0.9	13 41 05.7	-31 15 15
FM 154	GSC06726-00092	12.0	s	B-A ?	*0.3	13 40 16.2	-29 53 14
FM 155	USNO0525-13735651	B11.7	s	F ?	?	13 40 31.9	-32 15 53
FM 156	TYC6726-1196-1	10.5	s	?	0.53	13 39 18.7	-29 06 32

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FM 157	GSC06726-00240	13.9	s	?	*1.1	13 39 24.7	-29 57 11
FM 158	GSC06718-01119	12.0	s	F ?	*-0.3	13 37 01.1	-25 52 53
FM 159	GSC07265-01443	13.14	s	A-F ?	*1.0	13 37 57.8	-31 06 54
FM 160	HE1334-3055	11.51	s	F ?	?	13 37 48.0	-31 11 03
FM 161	SAO204670	8.15	s	F0V	0.43	13 37 38.6	-32 21 35
FM 162	TYC7265-2014-1	11.14	s	?	0.53	13 37 03.4	-31 31 23
FM 163	ESO444-75	14.27	g	Sp	*0.7	13 35 47.6	-30 52 37
FM 164	SAO181753	9.5	s	G0	0.64	13 33 25.6	-27 40 48
FM 165	USNO0525-13600681	B12.4	s	F ?	*1.1	13 32 17.1	-30 44 14
FM 166	USNO0600-09202478	13.5	u	?	*0.6	13 30 36.9	-25 24 56
FM 167	GSC07265-00286	11.5	s	A-F ?	*0.4	13 30 51.2	-30 18 16
FM 168	TYC7265-1013-1	10.45	s	?	0.58	13 30 32.3	-30 47 28
FM 169	GSC06717-01454	13.9	s	G ?	*1.0	13 28 53.3	-25 37 30
FM 170	HFD 117219	10.23	s	A2	0.22	13 29 21.8	-28 27 03
FM 171	USNO0600-09196151	B12.8	s	F-G ?	*1.0	13 29 45.0	-29 35 43
FM 172	SAO204511	8.0	s	K5	1.56	13 28 58.3	-31 02 39
FM 173	USNO0600-09188733	B12.4	s	F-G ?	*0.5	13 28 44.2	-29 14 18
FM 174	SAO204493	8.3	s	F3V	0.48	13 27 45.0	-30 47 03
FM 175	ESO444-46	15	g	E	?	13 27 56.8	-31 29 43
FM 176	ESO444-37	14.82	g	SB(s)dm	*0.6	13 26 59.8	-30 04 27
FM 177	PPM261656	9.7	s	F8	0.38	13 26 21.8	-26 50 54
FM 178	HE1324-3114	15.42	s	F-G	?	13 27 15.0	-31 30 31
FM 179	USNO0525-13511131	B11.4	s	?	?	13 26 40.7	-32 28 08
FM 180	SAO181640	9.0	s	F8	0.41	13 25 35.4	-27 41 42
FM 181	N5135	12.88	g	SB(l)ab	0.63	13 25 44.4	-29 49 59

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FM 182	HFD 116570	10.57	s	G0	0.40	13 24 50.7	-28 15 34
FM 183	TYC6725-275-1/2	8.02	s	K0	1.2	13 23 57.3	-28 22 15
FM 184	GSC06708-00860	13.7	s	?	*1.6	13 23 18.3	-27 05 06
FM 185	HE1317-2937	B17.79	g	Em.Ln.Gal. ?	?	13 20 39.4	-29 53 20
FM 186	SAO181557	9.46	s	F8	0.50	13 19 53.6	-27 48 16
FM 187	HE1315-2832	15.8	s	sdB ?		13 17 48.1	-28 48 03
FM 188	TYC6725-1720-1	10.8	s	A-F ?	0.121	13 31 22.1	-29 34 37
FM 189	HE1328-2915	B16.8	s	sdB-A ?	?	13 31 35.8	-29 31 03
FM 190	SAO204469	6.84	s	F0V	0.40	13 26 08.1	-32 32 51
FM 191	SAO204853	9.1	s	A2	0.07	13 48 10.1	-32 14 18
FM 192	SAO204562	9.1	s	F0	0.31	13 32 03.0	-32 12 44
FM 193	SAO181770	9.00	s	F8	0.54	13 35 05.1	-25 18 15
FM 194	HFD 119027	10.5	s	A3	0.48	13 41 19.8	-28 47 00
FM 195	SAO20462	8.0	s	F3	0.46	13 35 15.9	-31 24 31
FM 196	GSC07266-00123	12.97	s	?	*1.8	13 40 06.6	-31 31 11
FM 197	SAO181785	9.6	s	G5	0.64	13 36 13.4	-29 39 40
FT 1	PPM325630	10.57	s	?	0.03	19 55 29.2	-49 31 21
FT 2	SAO229911	8.97	s	?	0.36	19 53 14.7	-48 28 10
FT 3	HIC98444	6.67	s	F2IV	0.40	20 00 08.4	-50 13 00
FT 4	USNO0375-38494969	B12.8	u	?	*-0.5	19 54 53.6	-48 32 33
FT 5	HIC98040	8.14	s	F0V	0.31	19 55 20.4	-48 16 56
FT 6	TYC8399-146-1	9.05	s	?	0.49	20 02 07.3	-49 58 54
FT 7	USNO0375-38670988	B13.3	u	?	*-0.3	20 04 52.6	-49 57 14
FT 8	HIC98449	7.67	s	F6V	0.47	20 00 11.8	-48 44 54
FT 9	SAO229930	9.87	s	A0	0.07	19 56 10.6	-47 23 15

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FT 10	HIC98880	8.55	s	F0V	0.37	20 04 47.8	-49 45 18
FT 11	USNO0375-38647724	B14.1	u	?	*0.3	20 03 31.2	-49 21 06
FT 12	SAO229910	8.19	s	A2	0.14	19 53 09.0	-46 22 12
FT 13	SAO229967	8.92	s	A5	0.29	19 59 57.9	-48 11 25
FT 14	SAO230028	9.6	s	A2	0.03	20 05 07.1	-49 30 17
FT 15	SAO246465	9.2	s	A3	0.28	20 09 33.0	-50 26 25
FT 16	TYC8400-1697-1	9.56	s	?	0.22	20 05 59.3	-49 31 10
FT 17	TYC8400-1353-1	11.1	s	?	0.68	20 07 46.2	-49 56 35
FT 18	TYC8395-622-1	9.08	s	F2	0.36	19 59 45.4	-47 32 59
FT 19	TYC8396-100-1	10.18	s	?	0.36	20 03 51.2	-48 37 04
FT 20	SAO229945	9.23	s	A2	0.17	19 57 03.4	-46 35 26
FT 21	SAO230036	10.42	s	A0	-0.05	20 06 17.2	-48 59 39
FT 22	TYC8396-580-1	9.66	s	?	0.30	20 04 59.6	-48 36 49
FT 23	SAO230006	10.12	s	A3	0.16	20 02 52.5	-47 58 52
FT 24	HIC98577	6.99	s	F2IV	0.35	20 01 25.3	-47 23 51
FT 25	HIC99595	7.92	s	F3V	0.39	20 12 43.2	-50 18 41
FT 26	TYC8395-1024-1	10.5	s	?	0.16	20 02 06.0	-47 18 51
FT 27	HIC99703	8.42	s	A2V	0.12	20 13 54.9	-50 19 16
FT 28	USNO0375-38688655	B13.3	u	?	*-0.5	20 05 55.8	-48 16 10
FT 29	HIC99260	8.83	s	F2V	0.38	20 08 58	-49 04 42
FT 30	USNO0375-38800440	B12.3	u	?	*-0.7	20 12 52.0	-49 58 28
FT 31	SAO230049	7.95	s	F2	0.43	20 07 39.5	-48 39 08
FT 32	NGC6851A/B	14.81	gp	SB	0.84	20 05 39.7	-47 58 40
FT 33	HIC98355	7.49	s	F6V	0.47	19 58 58.6	-46 05 17
FT 34	EUVEJ2009-48.8	15.3	qs	BL Lac	*0.6	20 09 25.4	-48 49 54

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FT 35	SAO230030	9.06	s	A0	0.10	20 05 10.8	-47 29 17
FT 36	USNO0375-38564499	B11.6	u	?	*1.0	19 58 43.0	-45 36 31
FT 37	TYC8417-667-1	10.02	s	?	1.10	20 18 17.8	-50 39 33
FT 38	SAO229984	8.78	s	A0	0.00	20 00 53.4	-45 41 58
FT 39	SAO230088	9.02	s	A3	0.24	20 11 23.6	-48 22 46
FT 40	SAO230060	8.09	s	F0	0.29	20 08 30.1	-47 33 34
FT 41	TYC8413-1194-1	10.96	s	?	0.58	20 19 24.6	-50 12 41
FT 42	SAO230054	8.77	s	A2	0.02	20 08 07.1	-47 10 56
FT 43	HIC98512	5.8	s	A8III	0.00	20 00 48.3	-45 06 47
FT 44	SAO230121	9.75	s	?	0.22	20 15 36.5	-48 58 21
FT 45	HIC99130	8.72	s	F0V	0.39	20 07 31.0	-46 50 50
FT 46	HIC100349	7.31	s	A3V	0.13	20 21 02.2	-50 01 02
FT 47	TYC8409-5-1	10.71	s	?	1.2	20 15 15.6	-48 43 43
FT 48	TYC8392-1957-1	11.21	s	?	-0.05	20 06 24.1	-46 04 05
FT 49	USNO0375-38880708	B14.1	u	?	*-2.2	20 18 07.4	-48 57 32
FT 50	SAO230000	7.91	s	A0	-0.03	20 02 10.2	-44 27 58
FT 51	SAO230062	8.28	s	F5V	0.43	20 08 37.9	-46 18 05
FT 52	USNO0375-38684700	B15.7	u	?	*-0.3	20 05 41.5	-45 33 25
FT 53	TYC8413-818-1	8.03	s	?	1.08	20 22 17.1	-49 26 51
FT 54	HIC98859	7.83	s	A9IV	0.30	20 04 29.8	-44 56 49
FT 55	SAO230181	9.54	s	F5	0.35	20 23 36.6	-49 47 44
FT 56	SAO230012	8.34	s	A2	0.17	20 03 29.4	-44 35 36
FT 57	TYC08409-887-1	B11.9	u	?	0.58	20 18 29.1	-48 32 11
FT 58	USNO0375-38762110	B11.2	u	?	*1.2	20 10 25.9	-46 25 34
FT 59	TYC8413-1203-1	10.68	s	?	0.90	20 23 18.8	-49 20 47

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FT 60	TYC8409-365-1	9.09	s	?	0.05	20 20 07.0	-48 28 41
FT 61	SAO230017	9.25	s	A0	0.06	20 03 51.4	-43 50 01
FT 62	SAO230111	9.68	s	?	0.21	20 13 54.5	-46 33 23
FT 63	SAO230099	9.07	s	A0	0.19	20 12 22.3	-46 10 00
FT 64	USNO-A2-0450-38582716	B15.8	u	?	*1.5	20 07 43.4	-44 56 45
FT 65	USNO0375-38856050	B12.8	u	?	*1.1	20 16 32.2	-47 06 59
FT 66	HIC100184	6.13	s	F5V	0.48	20 19 17.7	-47 34 47
FT 67	TYC8392-1398-1	10.42	s	?	0.46	20 12 25.6	-45 49 29
FT 68	TYC7959-412-1	10.74	s	?	0.28	20 09 38.3	-44 44 52
FT 69	TYC7959-1706-1	11	s	?	0.19	20 08 59.3	-44 30 19
FT 70	HIC99671	7.79	s	Ap	0.00	20 13 34.8	-45 35 26
FT 71	TYC8409-1802-1	9.78	s	?	0.05	20 21 56.8	-47 43 25
FT 72	SAO230183	8.92	s	F0	0.30	20 24 00.7	-48 13 43
FT 73	TYC8414-154-1	8.93	s	?	0.15	20 30 20.6	-49 26 29
FT 74	TYC7959-1973-1	10.57	s	?	0.34	20 09 39.5	-44 18 56
FT 75	TYC8405-1915-1	10.85	s	?	0.10	20 18 15.0	-46 31 36
FT 76	HIC100872	7.84	s	F3IV	0.43	20 27 11.1	-48 35 35
FT 77	SAO230082	9.58	s	A5	0.18	20 10 30.7	-44 08 04
FT 78	TYC8410-1739-1	8.41	s	A7IV	0.26	20 26 38.3	-47 57 42
FT 79	SAO230096	9.26	s	A0	0.10	20 12 03.3	-44 15 42
FT 80	HIC99426	7.84	s	A3m	0.25	20 10 50.2	-43 36 11
FT 81	USNO-A2-0375-38789037	B13.6	u	?	*-3.0	20 26 22.0	-47 30 44
FT 82	HIC99448	7.71	s	A4V	0.22	20 11 04.7	-43 28 28
FT 83	HIC100467	9.39	s	F0V	0.32	20 22 26.3	-46 26 58
FT 84	USNO0450-38842338	B14.4	u	?	*-0.4	20 12 41.5	-43 50 53

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FT 85	HIC99722	8.42	s	F8IV	0.44	20 14 06.4	-44 10 24
FT 86	SAO230212	7.65	s	F0	0.33	20 27 00.9	-47 15 34
FT 87	USNO0375-39045904	B13.3	u	?	*-0.8	20 29 34.1	-47 47 26
FT 88	USNO0450-38892109	B12.5	u	?	*0.7	20 15 38.7	-44 29 59
FT 89	TYC7960-215-1	9.7	s	A3	0.17	20 12 04.3	-43 23 53
FT 90	TYC8405-1234-1	9.78	s	?	0.33	20 20 44.3	-45 39 49
FT 91	HIC100787	6.73	s	A9III	0.29	20 26 04.8	-46 39 36
FT 92	SAO230170	8.65	s	A0	0.09	20 21 57.2	-45 38 20
FT 93	HIC99806	8.19	s	A7V	0.21	20 14 59.8	-43 40 42
FT 94	SAO230230	9.36	s	A2	0.20	20 28 23.9	-46 57 21
FT 95	TYC8410-743-1	11.44	s	?	0.22	20 33 45.99	-47 56 38
FT 96	SAO230200	8.95	s	?	0.33	20 26 04.0	-46 09 29
FT 97	SAO230238	7.42	s	A0	0.05	20 29 38.6	-46 09 05
FT 98	HIC100487	7.94	s	A5m	0.34	20 22 38.1	-44 35 14
FT 99	TYC8406-29-1	10.71	s	?	1.06	20 34 00.4	-46 51 16
FT 100	TYC8406-795-1	9.57	s	?	0.33	20 29 53.0	-45 54 48
FT 101	SAO230237	8.35	s	?	0.23	20 29 30.5	-45 22 58
FT 102	SAO230215	8.16	s	F0	0.33	20 27 13.6	-44 45 31
FT 103	HIC100528	8.39	s	A6IV	0.23	20 23 02.1	-43 40 14
FT 104	USNO-A2-0450-38843012	B13.6	u	?	*1.1	20 22 45.4	-43 29 43
FT 105	USNO-A2-0375-38915243	B14.9	s	?	*-0.3	20 35 49.7	-46 37 46
FT 106	TYC7961-435-1	9.89	s	?	0.14	20 23 54.1	-43 39 11
FT 107	TYC7961-1763-1	10.5	s	?	0.17	20 29 19.0	-44 57 18
FT 108	NGC6902	11.64	ig	SA(r)b	0.62	20 24 27.7	-43 39 09
FT 109	SAO230295	10.23	s	A0	0.03	20 36 54.6	-46 27 22

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FT 110	TYC8406-1679-1	8.00	s	F0	0.3	20 32 09.7	-45 21 14
FT 111	TYC8406-457-1/2	7.52	s	A7III	0.28	20 36 30.5	-45 33 28
FT 112	USNO0450-39114689	B12.2	u	?	*1.0	20 30 14.1	-44 00 30
FT 113	TYC8399-463-1	10.52	s	?	0.17	20 01 32.4	-50 17 46
FT 114	USNO0375-38638499	B11.9	u	?	*0.7	20 02 59.4	-50 17 45
FT 115	USNO0375-38534372	B13.7	u	?	*1.4	19 57 01.8	-48 18 58
FT 116	USNO-A2-0375-38402237	B12.3	u	?	*0.7	20 01 19.7	-49 33 04
FT 117	USNO0375-38485210	B13.9	u	?	?	19 54 22.9	-47 37 44
FT 118	USNO0375-38502981	B11.9	u	?	?	19 55 19.0	-47 48 48
FT 119	TYC8395-953-1	11.49	s	?	0.04	19 57 16.1	-48 21 29
FT 120	TYC8400-336-1	10.97	s	?	0.34	20 03 56.4	-49 48 25
FT 121	SAO22994	9.61	s	?	0.21	19 56 57.0	-47 25 22
FT 122	USNO-A2-0375-38326701	B12.4	u	?	*1.0	19 57 01.1	-47 03 45
FT 123	TYC8391-843-1	10.47	s	?	0.24	19 55 20.5	-46 47 57
FT 124	USNO0375-38606749	B13.8	u	?	*0.5	20 01 08.3	-48 28 31
FT 125	TYC8391-2312-1	10.04	s	?	0.40	19 54 35.9	-46 30 37
FT 126	USNO0375-38593648	B15.4	u	?	?	20 00 22.2	-47 55 22
FT 127	TYC8391-1762-1	10.69	s	?	0.28	19 54 37.7	-46 13 35
FT 128	USNO0375-38709646	B12.3	u	?	*-0.4	20 07 11.4	-49 30 04
FT 129	TYC8404-1258-1	8.53	s	?	0.56	20 12 02.9	-50 43 23
FT 130	TYC8395-1998-1	10.5	s	?	0.83	19 59 33.0	-47 04 30
FT 131	NGC6845/A/B/C/FD	14.28	ig	SBb?pec	?	20 01 05.8	-47 03 34
FT 132	PGC063901	14.27	gp	SAB	*0.2	19 58 17.6	-46 06 46
FT 133	SAO98233	8.64	s	F5IV	0.01	19 57 45.2	-45 49 39
FT 134	USNO0375-38806618	B15.3	u	?	*0.1	20 13 16.6	-49 36 20

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FT 135	TYC8396-154-1	10.66	s	?	0.24	20 09 52.3	-48 34 30
FT 136	TYC8391-677-1	10.85	s	?	0.59	19 58 53.2	-45 05 24
FT 137	USNO-A2-0375-38425789	B11.1	u	?	*0.5	20 02 43.4	-45 57 22
FT 138	USNO-A2-0375-38637967	B13.6	u	?	*0.2	20 15 59.7	-48 51 28
FT 139	TYC8392-28-1	10.59	s	?	0.15	20 07 57.6	-46 43 45
FT 140	TYC8413-614-1	9.98	s	?	0.35	20 20 38.8	-49 49 00
FT 141	USNO0375-38888302	B12.7	u	?	*-0.8	20 18 36.2	-49 13 07
FT 142	TYC8396-418-1	10.63	s	?	0.91	20 14 43.0	-48 12 50
FT 143	USNO0375-38910011	B13.4	u	?	*0.8	20 20 01.1	-49 19 57
FT 144	TYC8413-1738-1	10	s	?	0.34	20 24 36.6	-50 25 20
FT 145	TYC8392-1262-1	10.06	s	?	0.65	20 06 16.8	-45 54 16
FT 146	ESO234-G004	15.27	gp	SBpec	?	20 20 43.4	-49 07 29
FT 147	USNO-A2-0375-38528298	B15.8	u	?	*-0.2	20 08 55.8	-46 05 47
FT 148	USNO0375-38748771	B11.3	u	?	*0.3	20 09 35.9	-46 07 28
FT 149	USNO0375-38753431	B12.6	u	?	*1.0	20 09 53.4	-46 03 28
FT 150	TYC7959-742-1	11.12	s	?	0.15	20 05 11.9	-44 39 32
FT 151	USNO0450-38690235	B13.5	u	?	*1.2	20 04 58.4	-44 29 13
FT 152	USNO-A2-0375-38561392	B15.7	u	?	*0.0	20 10 59.6	-45 53 50
FT 153	USNO0375-38758273	13.3	u	?	*0.8	20 10 11.8	-45 41 40
FT 154	USNO0375-38732664	B15.9	u	?	*-0.5	20 08 36.3	-45 05 16
FT 155	USNO0375-38963244	B12.7	u	?	*1.4	20 23 35.0	-48 49 06
FT 156	USNO-A2-0450-38583089	B17.7	u	?	*0.1	20 07 44.6	-44 37 38
FT 157	USNO0450-38718073	B14.7	u	?	*-0.2	20 06 21.4	-44 03 01
FT 158	TYC8405-885-1	10.36	s	?	0.37	20 15 24.7	-46 19 50
FT 159	USNO0450-38794373	B14.1	u	?	*1.0	20 10 16.8	-44 52 15

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FT 160	SAO230055	8.49	s	F5	0.441	20 08 01.3	-44 11 33
FT 161	ESO284-IG045	14	ig	SABbc	?	20 16 48.6	-46 31 55
FT 162	SAO230119	9.75	s	F5	0.38	20 15 12.5	-46 03 12
FT 163	TYC7959-962-1	10.18	s	?	0.44	20 07 49.5	-43 37 54
FT 164	USNO0375-39013302	B14.4	u	?	*0.9	20 27 11.4	-48 19 47
FT 165	USNO-A2-0375-38776135	B12.0	u	?	*0.0	20 25 27.5	-47 51 23
FT 166	TYC7960-1677-1	9.77	s	?	0.31	20 14 09.1	-44 51 02
FT 167	TYC8414-685-1	10.21	s	?	0.36	20 34 24.2	-49 05 05
FT 168	USNO0375-38887188	B15.1	u	?	?	20 18 32.0	-45 20 59
FT 169	PGC064404	14.31	pm	SABbcp	0.95	20 16 45.5	-44 41 43
FT 169	PGC064399	14.51	pm	SBdm	1.17	20 16 31.0	-44 42 32
FT 170	SAO230206	9.23	s	F2	0.37	20 26 48.6	-46 26 34
FT 171	TYC8410-1555-1	11.42	s	?	0.37	20 35 23.8	-48 19 20
FT 172	USNO0375-38983401	B15.2	u	?	*1.1	20 25 03.5	-45 42 55
FT 173	TYC8406-1146-1	11.11	s	?	0.07	20 29 17.2	-46 27 58
FT 174	HIC101168	9.17	s	F5V	0.41	20 30 22.4	-46 27 20
FT 175	USNO0375-39019592	B14.2	u	?	*1.3	20 27 39.3	-45 40 49
FT 176	USNO0450-38948511	B12.6	u	?	*0.5	20 19 12.5	-43 34 02
FT 177	USNO0450-39036632	B13.6	u	?	*1.4	20 24 53.5	-44 37 31
FT 178	SAO230167	9.75	s	F0	0.47	20 21 34.2	-43 49 17
FT 179	USNO0375-39120597	B12.8	u	?	*0.8	20 35 14.8	-46 58 10
FT 180	USNO0450-39039977	B15.9	u	?	*0.8	20 25 06.8	-44 27 39
FT 181	USNO-A2-0375-38811091	B13.9	u	?	*1.2	20 27 58.9	-45 00 52
FT 182	TYC8406-452-1	10.59	s	?	0.36	20 29 12.5	-45 07 14
FT 183	TYC7962-710-1	9.85	s	?	0.52	20 31 12.8	-44 45 57

Table 4—Continued

Name	ID name	V (or B)	Sr.	Type	B-V	α_{ID}	δ_{ID}
FT 184	TYC8414-669-1	8.46	s	A2Vn	0.10	20 29 26.78	-49 46 59
FT 185	TYC8414-387-1	10.66	s	?	-0.12	20 29 48.9	-49 52 24
FT 186	HIC97756	8.31	s	A7IIIm	0.28	19 51 58.9	-46 51 42
FT 187	TYC7960-817-1	9.72	s	?	0.38	20 15 08.2	-43 34 14
FT 188	SAO230029	9.67	s	F0	0.43	20 05 08.9	-47 21 42
FT 189	USNO0450-39025207	B13.2	u	?	*2.0	20 24 07.9	-43 41 10

Note. — The column Sr. contains coding as follows: s=star, u=unidentified, ig=interacting pair of galaxies, qs=QSOs, gp=galaxy in a pair, where only one of the members is listed, pm=member of a pair of galaxies, where both members of the pair are listed, ag=active galactic nucleus, bg=starburst galaxy. The colour B-V, when preceeded by a star, indicates that the colour index originates from the USNO catalog red and blue magnitudes. In most of these cases, the optical magnitude is the USNO "blue" and is marked by a B prefix.

Table 5. Summary of results

Field	Detections	Extragalactic	Stellar	Unclassified
Dor	142	13	102	27
Cen	249	11	159	79
M83	197	20	169	9
Tel	189	8	127	54
Total	777	78	509	287

Note. — Some of the objects labeled **u** in Table 4 are most likely stars, but lacking a positive identification as such we keep these in the "unknown" bin.

Table 6. Extragalactic UV sources

Source	Name	Type	UV	V(or B)	B-V	Remarks
FC 27	ESO 323-G025	SA(rs)b	12.16±0.20	13.39	1.17	
FC 32	NGC 4553	SA(r)0	12.51±0.58	12.17	1.02	
FC 44	USNO	SAB(r)cd	10.66±0.26	9.9	*-1.3	
FC 61	PGC 042966	E?	13.06±0.57	12.72	1.08	
FC 71	NGC 4683	SB(s)0	12.58±0.43	13.8	0.93	
FC 75	NGC 4930	SB(rs)bc	12.65±0.44	12.0	0.76	
FC 161	NGC 4679	SA(s)bc	13.32±0.45	11.94	1.38	
FC 186	ESO 323-G054	S	13.68±0.61	14.86		
FC 229	ESO 269-IG056	SB(s)m pec	11.92±0.46	14.01		
FC 235	ESO 269-IG022/3	S0+E	12.74±0.34	14.75+16.17		Int.pair
FC 238	PGC044774	SAB(s) pec	12.58±0.61	16.0		
FD 41	NGC 1566	SAB(rs)bc Sy1	9.68±0.19	10.33	0.56	Xrays
FD 53	NGC 1602	IB(s)m pec	12.29±0.48	12.98	0.35	
FD 62	EUVEJ0425-57.1	Sy1	12.03±0.36	14.1	*-0.6	Xrays
FD 77	ESO 118-G034	S0 pec	11.64±0.39	13.04	0.44	HII gal.
FD 82	NGC 1522	S0 pec	12.62±0.57	13.56	0.27	
FD 86	NGC 1515	SAB(s)bc	12.90±0.67	11.20	0.85	
FD 93	IC 2032	IAB(s)m pec	12.89±0.68	14.73	*-3.6	
FD 97	NGC 1536	SB(s)c pec	12.92±0.58	12.52	0.63	
FD 100	IC 2073	SB(s)cd? pec	11.73±0.37	13.78	0.77	
FD 111	PGC 015445	E	14.16±2.76	15.0	*0.7	
FD 118	ESO 157-G044	IB(s)m	12.19±0.60	14.87		
FD 134	HE0442-5652	QSO z=0.34	12.69±0.59	16.3	*0.2	
FD 142b	USNO	QSO z=0.29	11.55±0.25	15.6	*-0.2	IRAS FSC 25+60
FM 28	NGC 5291/B	S pec	12.57±0.47	14.0		Int.pair

Table 6—Continued

Source	Name	Type	UV	V(or B)	B-V	Remarks
FM 49	NGC 5264	IB(s)m	11.14±0.23	12.00	0.60	DDO 242
FM 55	HE1337-2919	QSO	12.02±0.32	16.06		candidate
FM 58	NGC 5253	Im pec	9.89±0.19	10.87	0.38	*burst, IUE
FM 69	HE1334-2739	QSO	12.59±0.46	16.41		candidate
FM 70	NGC 5236=M83	SAB(s)c	7.92±0.17	7.54	0.66	*burst; Xray; IUE
FM 71	IC 4293	SA0	12.21±0.38	13.50	*1.5	
FM 104	GSC07265-02231	Em.ln.gal.	11.77±0.29	12.7	*0.0	Abell 3558 z≈0.04 ?
FM 112	IC 4248	S?	12.87±0.50	13.85	*0.7	
FM 124	ESO 445-G076	S	12.83±0.69	14.66	*0.6	
FM 126	HE1348-2751	QSO	12.22±0.43	16.62		candidate
FM 130	HE1348-2751	QSO	12.45±0.46	16.62		candidate
FM 132	IC 4327	SB(s)c?	13.62±0.85	13.89	0.61	
FM 141	IC 4318	S?	13.50±0.46	14.54		
FM 142	eso-lv4450171	S	14.07±0.71	17.03		
FM 152b	HE1336-2624	QSO	13.04±0.60	16.53		candidate
FM 163	ESO 444-G075	I?	13.74±0.58	14.27	*0.7	
FM 175	ESO 444-G046	cD	13.91±0.56	13.85		Abell 3558 z≈0.04 ?
FM 176	ESO 444-G037	SB(s)dm:	13.63±0.79	14.82	*0.6	LSB; UGCA 358
FM 181	NGC 5135	SB(l)ab	13.84±1.01	12.11	0.77	Tol 34; *burst+Sy2; IUE
FM 185	HE1317-2937	Em.ln.gal.	13.64±1.23	17.79		
FT 32	NGC 6851 A+B	SB (rs)d+SB(s)m	10.08±0.20	14.81+16.67	0.84	
FT 34	EUVEJ2009-48.8	QSO	11.56±0.34	15.3	*0.6	BL Lac z=0.071; Xray
FT 108	NGC 6920	SA0	11.75±0.33	12.35	1.22	
FT 131	NGC 6845 ABCD	Group	12.50±0.54	14.28		Interacting
FT 132	PGC 063901	SAB(rs)bc	13.46±0.73	14.27	*0.2	

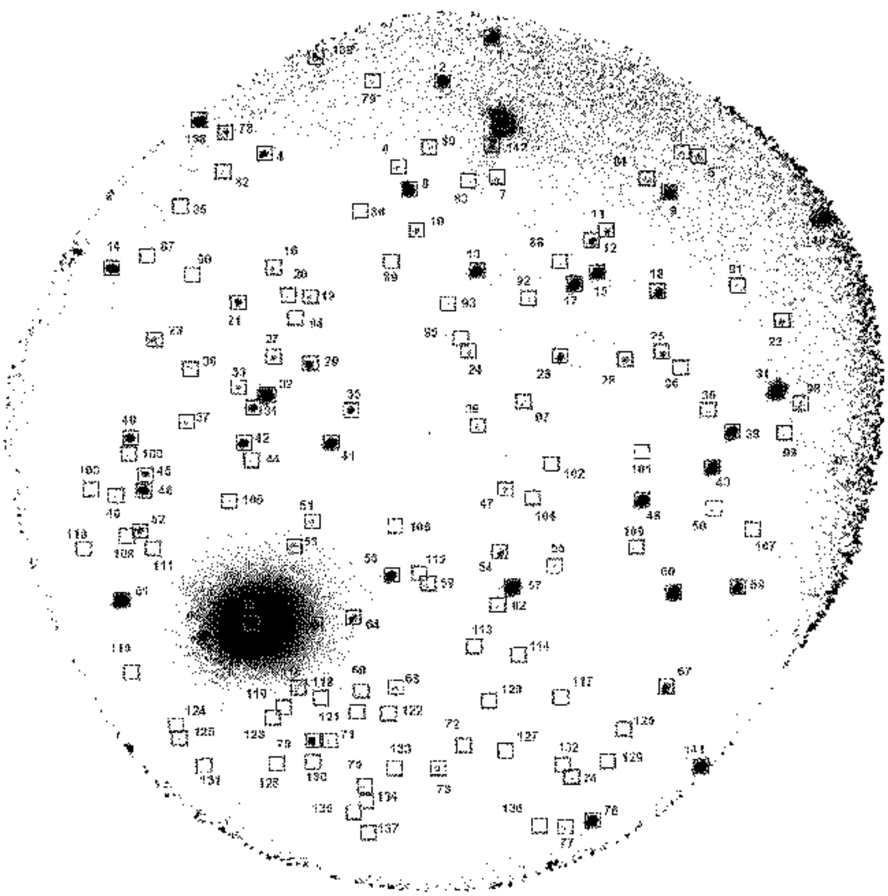
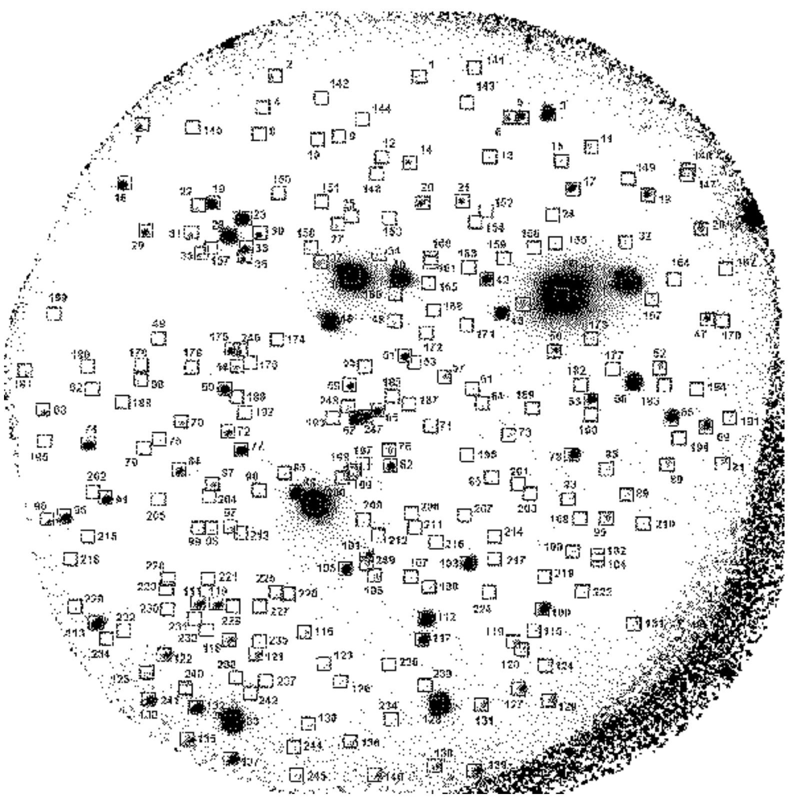
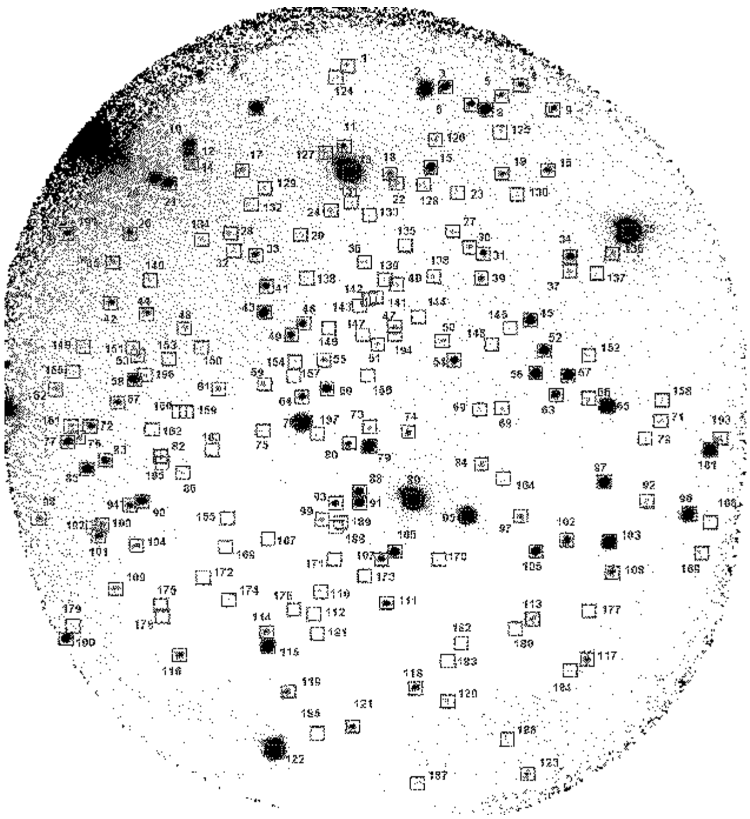


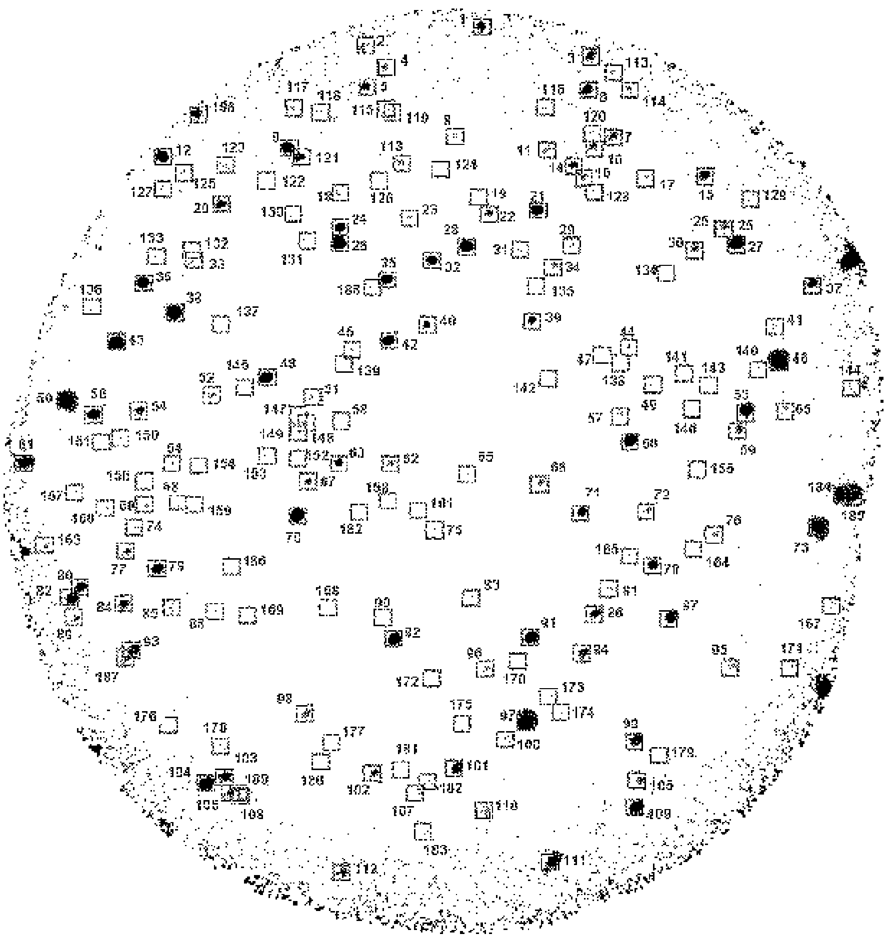
Table 6—Continued

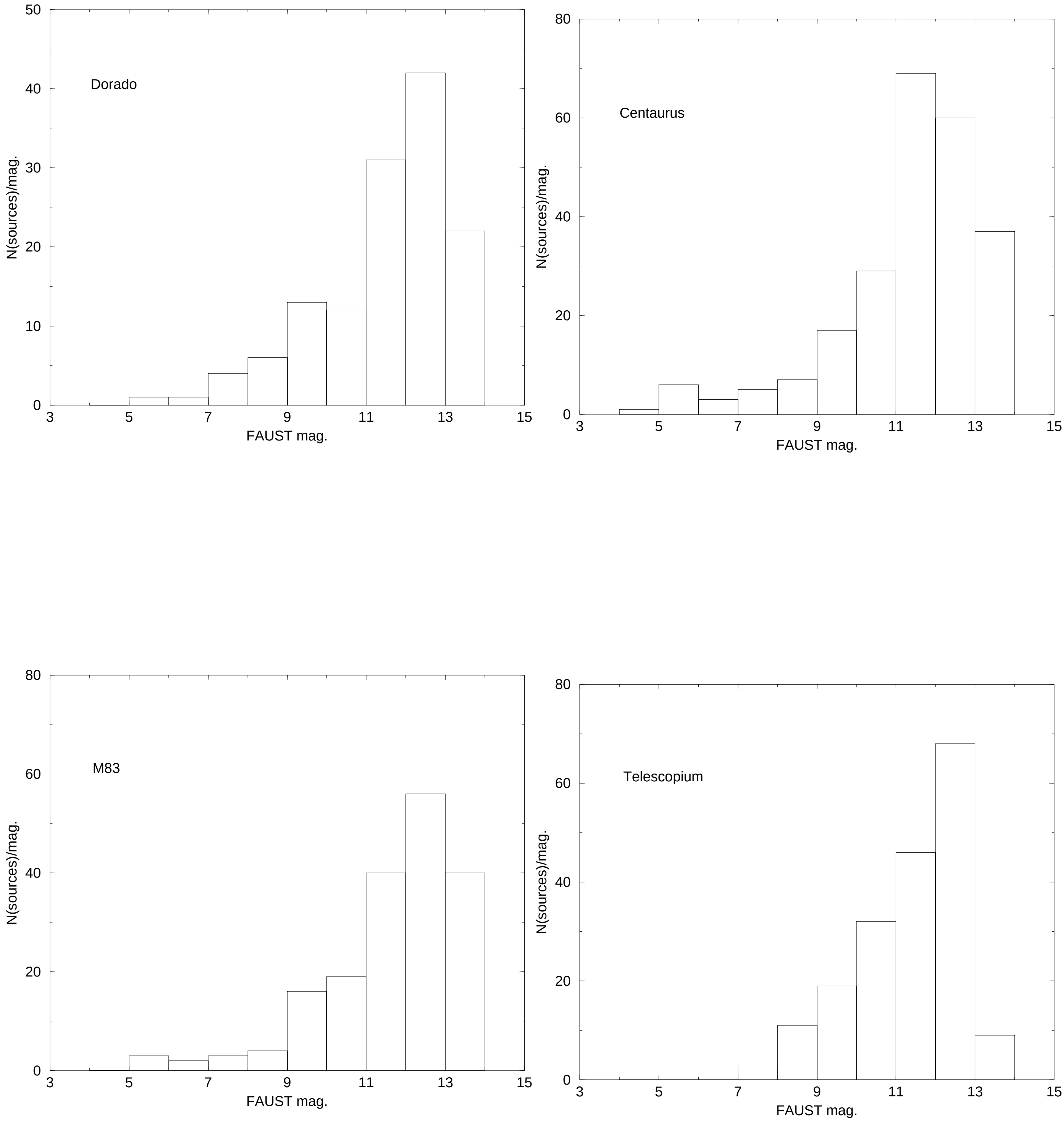
Source	Name	Type	UV	V(or B)	B-V	Remarks
FT 146	ESO 234-G004	SB(s)dm pec	12.77±0.66	15.27		
FT 161	ESO 284-IG045	SAB(rs)bc:	13.05±0.74	13.32	0.68	
FT 169a	PGC 064404	SAB(s)bc pec	12.44±0.52	14.31	0.95	NELG
FT 169b	PGC 064399	SB(s)dm	12.44±0.52	14.51	1.17	

Note. — The various mentions in the "Remarks" column are: *burst=star burst, Xray=source detected as emitting X-rays, IUE=IUE UV spectra available. We do not repeat the entire identified for sources with only USNO-A2.0 identifications. Whenever the B-V column has an entry marked with an asterisc this implies that the colour listed is B-R from the USNO A2.0 catalog.








Dorado
Centaurus
M83
Telescopium
N(sources)/mag.
FAUST mag.
0
10
20
30
40
50
60
80
3
5
7
9
11
13
15

HE 1342−2736

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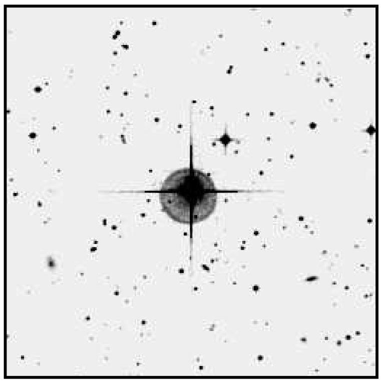
quadrant: dpsid: 30
isomag = 8.65 spcmag = 11.20
R.A. (J2000) Dec
13 45 35.1 −27 51 18



classification ' ' =
Overlap at lambda = 3499 Å

Colour selection
dx_hpp1 = −758.0
dx_hpp2 = −158.3
dx_hpp3 = −313.4
dx_qd = −809.6

Feature detection
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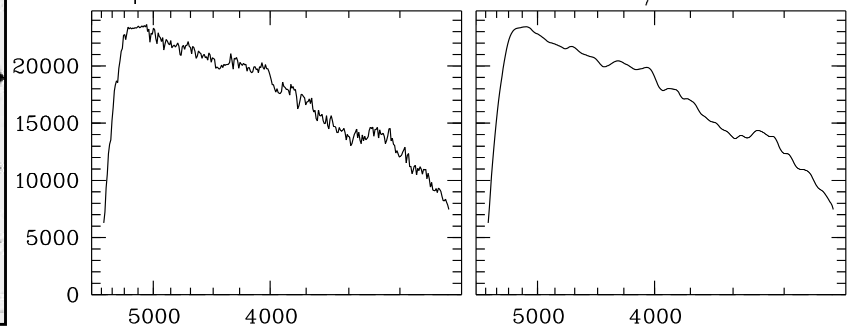
No broad em. detected
No break detected
Balmer lines: S/N = 0.0



HE 1342−2735

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quadrant: dpsid: 30
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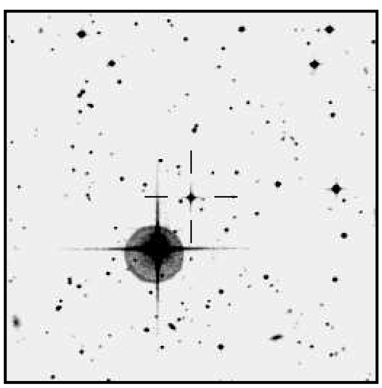
R.A. (J2000) Dec
13 45 32.1 −27 50 16



classification ' ' =
Overlap at lambda = 4723 Å

Colour selection
dx_hpp1 = −1522.9
dx_hpp2 = −996.3
dx_hpp3 = −1381.2
dx_qd = −1931.6

Feature detection
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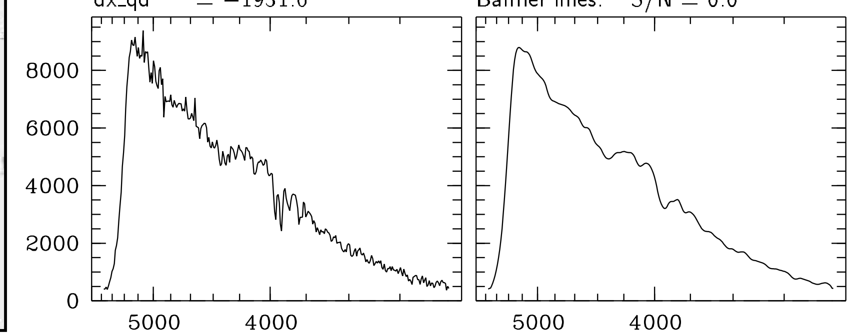
No broad em. detected
No break detected
Balmer lines: S/N = 0.0



HE 1342−2728

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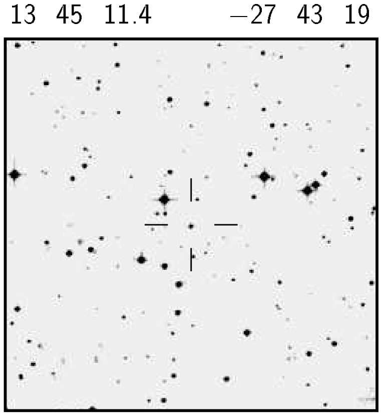
quadrant: dpsid: 31
isomag = 15.76 spcmag = 15.79
R.A. (J2000) Dec
13 45 11.4 −27 43 19



classification ' ' =
Overlap at lambda = 3437 Å

Colour selection
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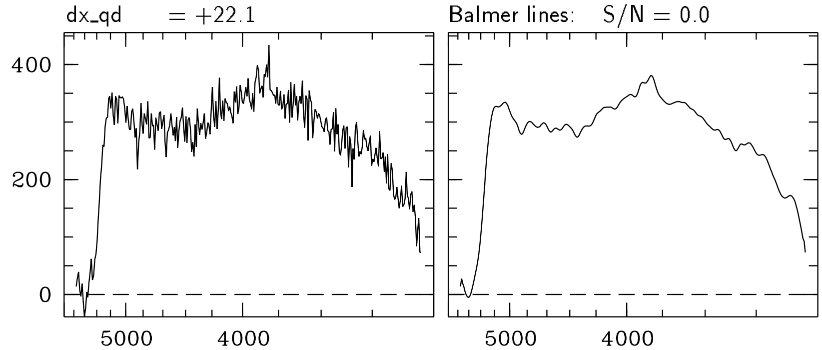
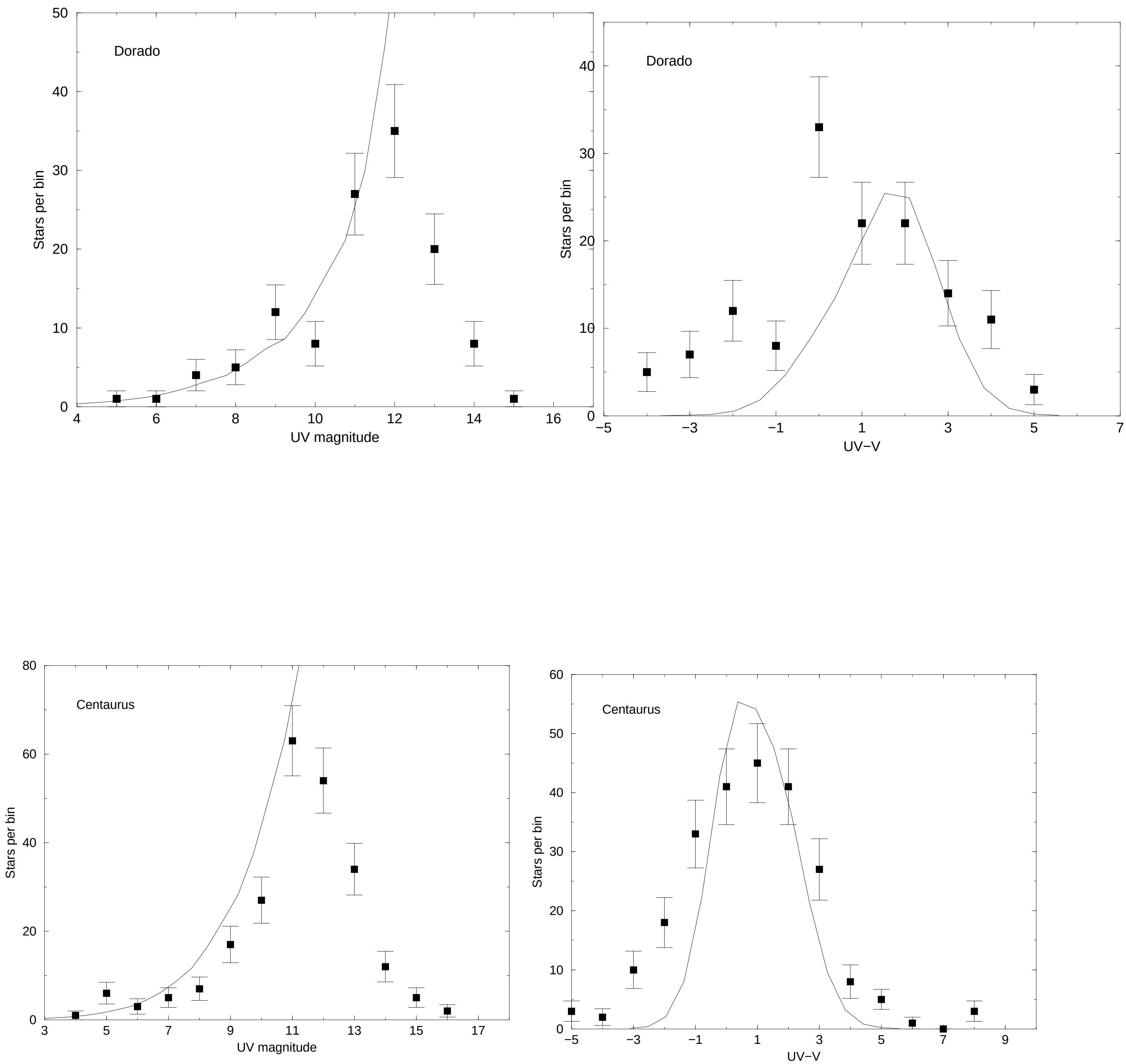
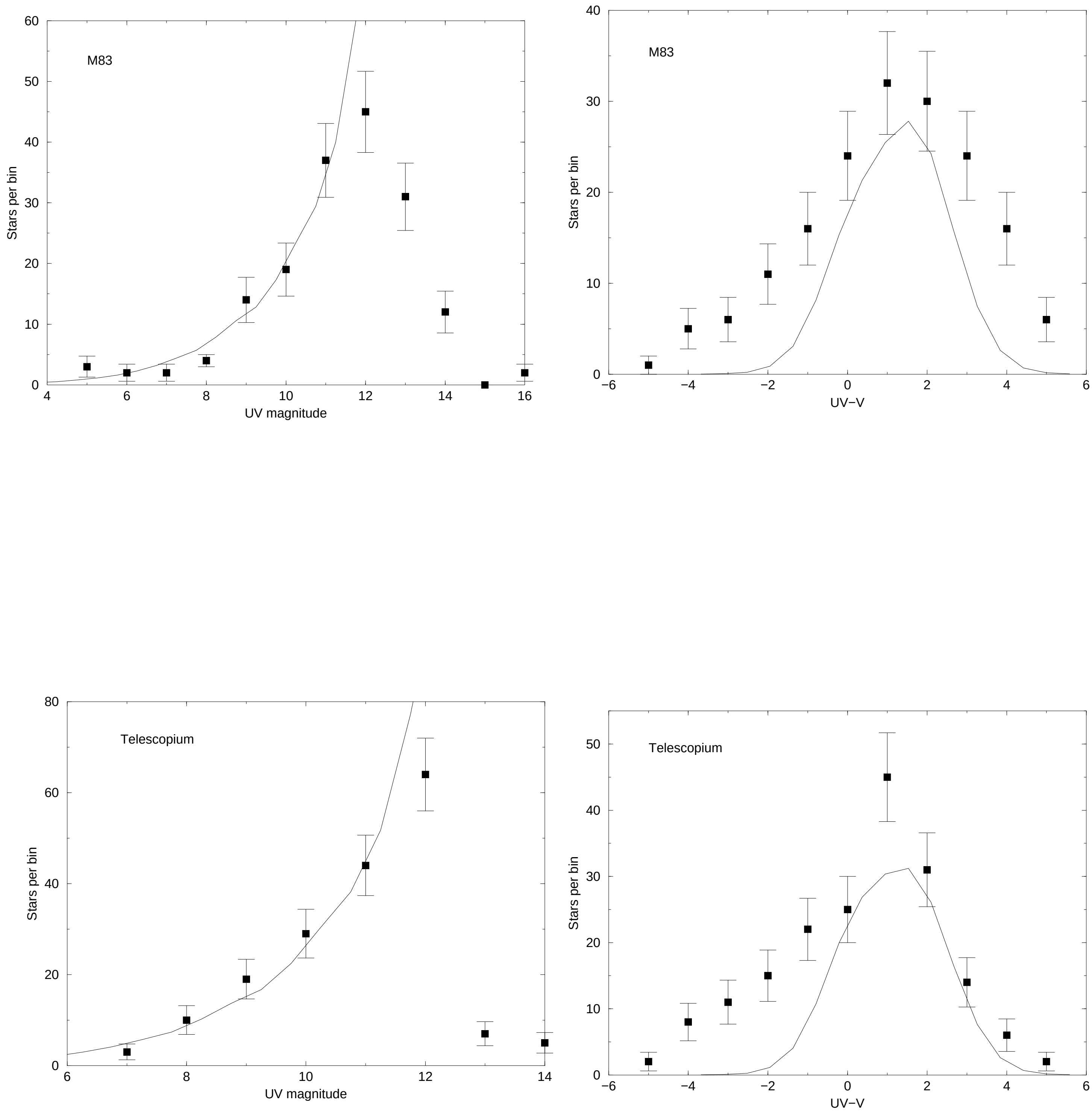
dx_hpp2 = +364.6
dx_hpp3 = +752.0
dx_qd = +22.1

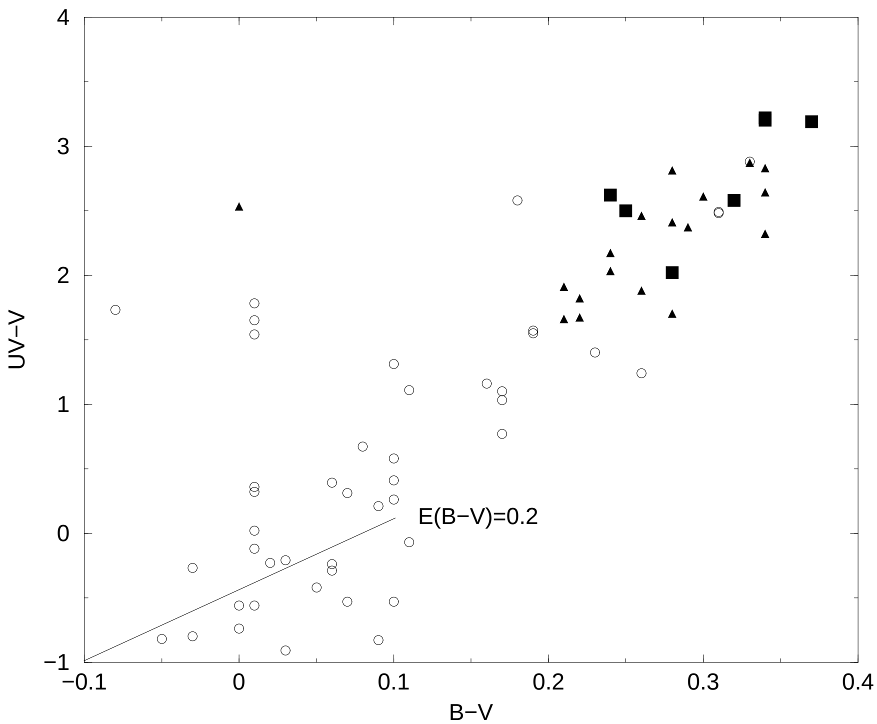
Feature detection
No narrow em. detected
No broad em. detected
No break detected
Balmer lines: S/N = 0.0




Dorado
Stars per bin
UV magnitude
Dorado
Stars per bin
UV−V
Centaurus
Stars per bin
UV magnitude
Centaurus
Stars per bin
UV−V



M83
Stars per bin
UV magnitude
M83
Stars per bin
UV−V
Telescopium
Stars per bin
UV magnitude
Telescopium
Stars per bin
UV−V


4
3
2
1
0
−1
UV−V
−0.1
0
0.1
0.2
0.3
0.4
B−V
E(B−V)=0.2